catalog

2019 - 2020 Academic Catalog
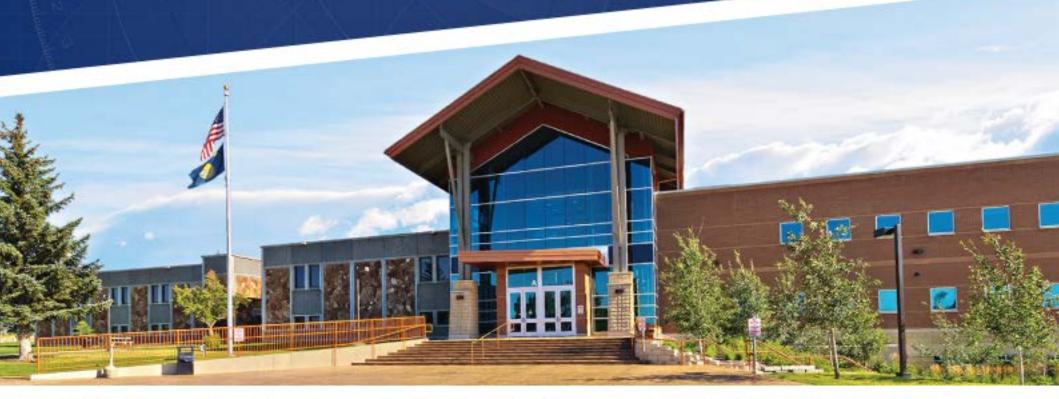
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Home

This catalog contains general information about the campus and specific information about degree programs. If you have questions or comments, please contact admissions@gfcmsu.edu.

Catalog Changes

By Date

Current Academic Year Catalog Changes by Date Accepted

April 3, 2020

Dear Great Falls College MSU Students, Faculty, and Staff:

Thank you all for your hard work and patience as we have chartered new territory due to the COVID-19 outbreak. In an effort to address these extraordinary circumstances of all coursework moving to online delivery mode, Great Falls College MSU will implement the Pass/No Pass grading option for all courses as follows:

- Faculty will continue to grade students for spring 2020 courses, based upon their current syllabi, using their syllabi's grading structure and criteria.

- Students will be given the option of receiving a P/NP grade after grades are posted and in consultation with their advisor.

- A P grade will be based on a grade of C or higher (NOT C- or higher).

- A NP grade will be based on a grade of C- or lower.

- Students may choose to receive a P/NP grade in place of a letter grade for any number of their courses.

- Under the P/NP option, neither pass nor no pass grades will be factored into students' Grade Point Average (GPA). Pass grades will count towards earned semester hours.

- Students will be required to meet with an Advisor in the Advising & Career Center to discuss with each individual student who elects this grade mode to look for unintended consequences (honors, athletic eligibility, transfer, competitive entry programs, repeat courses, term GPA, cumulative GPA, etc.).

- Students will have 5 business days to make the request in consultation with an Advisor to have the grade changed to a P or NP. Spring 2020 grades are official available on May 18th, so requests have to be into the Registrar's Office by May 22nd at 5 p.m.

The Registrar's Office will change the grade to a P/NP and make a notation of such to the students' transcripts,

- Students may choose to receive a P/NP grade in place of a letter grade for any number of their courses.

- Under the P/NP option, neither pass nor no pass grades will be factored into students' Grade Point Average (GPA). Pass grades will count towards earned semester hours.

- Students will be required to meet with an Advisor in the Advising & Career Center to discuss with each individual student who elects this grade mode to look for unintended consequences (honors, athletic eligibility, transfer, competitive entry programs, repeat courses, term GPA, cumulative GPA, etc.).

- Students will have 5 business days to make the request in consultation with an Advisor to have the grade changed to a P or NP. Spring 2020

grades are official available on May 18th, so requests have to be into the Registrar's Office by May 22nd at 5 p.m.

- The Registrar's Office will change the grade to a P/NP and make a notation of such to the students' transcripts, indicating the extraordinary circumstances of the global public health emergency during Spring 2020.

These temporary accommodations will be reevaluated for summer semester 2020.

Thank you for your cooperation and understanding as we navigate this unprecedented time.

Sincerely,

Dr. Susan J. Wolff, CEO/Dean

By Program

Current Academic Year Catalog Changes by Program

Mission Statement

Mission

Great Falls College MSU provides high quality educational experiences supporting student success and meeting the needs of our community.

College Learning Outcomes

The faculty and staff of Great Falls College MSU have deemed the following College Learning Outcomes be central to the personal and professional success of all graduates:

Critical Thinking

Definition: Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, data, and events before accepting or formulating a conclusion.

Outcome: Students will think critically by evaluating information analytically, using ideas and data in creative and innovative ways.

Communication

Definition: Communication is the effective, active expression and exchange of ideas through listening, speaking, reading, writing, or other modes of verbal or non-verbal or artistic expression.

Outcome: Students will communicate effectively, expressing ideas and information in the mode most appropriate to the audience and situation.

Professionalism

Definition: Professionalism is the ability to demonstrate appropriate work-ethic behaviors through personal conduct and effective teamwork.

Outcome: Students will demonstrate professionalism in and out of the classroom, meeting current organizational or industry standards for conduct, appearance, and teamwork.

General Information

Notice Concerning Materials Described In This Catalog

All provisions within this catalog are subject to change without notice.

While the College will make every effort to provide all described courses and programs, the final decision regarding availability will be determined by enrollment, available faculty, funds, and employer training needs.

Governance

Great Falls College Montana State University is a two-year technical/community college within Montana's public university system. Central administrative control of the College is vested exclusively in the Montana Board of Regents. The Regents have full power, responsibility, and authority to supervise, coordinate, manage, and control the colleges and universities within the Montana University System.

Although a stand-alone institution for purposes of institutional accreditation, budget, personnel, and management, Great Falls College Montana State University has been affiliated with Montana State University since July 1, 1994.

Accreditation

All educational programs offered by the College are approved by the Montana Board of Regents, United States Department of Education, United States Department of Veterans Affairs, and Montana Department of Vocational Rehabilitation Services.

More details on GFC MSU's regional accreditation can be found here (p. 199).

Important College Regulations and Policies

Crime Awareness and Campus Security

It is the policy and commitment of the College to afford its students, employees, and visitors a campus and educational environment that is as safe and free of crime as possible. Students, employees, and visitors contribute to overall campus safety by reporting criminal activity, by securing personal possessions, and by being aware of personal safety when entering or exiting the campus buildings. The Clery (Campus Security) Act, Annual Security Report, which includes Institutional Security Policies and Crime Statistics, is located online.

- Great Falls College MSU Policy on Crime Awareness and Campus Security (http://www.gfcmsu.edu/about/policies/PDF/300/303_2.pdf)

Drug-Free Campus Policy

In compliance with the Drug Free Workplace Act of 1988, Public Law 101-690, Great Falls College MSU is committed to a good faith effort to provide a drug-free campus. Therefore, the manufacturing, distribution, sale, and/or abuse of illicit and/or prescription drugs, or the inappropriate use of alcohol at the College or in any activity affiliated with the College is prohibited. In addition, the College will enforce the Board of Regents' policy, Section 603.1, of the Policy and Procedures Manual regarding alcoholic beverages. Students must comply with this policy as a condition of attendance. Violations of this policy will result in disciplinary action up to and including expulsion and/or referral for prosecution. At the discretion of the Dean of the College, a student violating the policy may be required to satisfactorily complete a drug or alcohol abuse rehabilitation program as an alternative to expulsion or as a condition for re-admission.

According to information provided by the U.S. Department of Education, drug and alcohol abuse may cause personal health problems, as well as interfere with work, school, and daily living performance.

The Great Falls community has a number of excellent resources available to assist an individual who is having difficulty with drug and/or alcohol abuse. Advising & Career Center advisors at the Great Falls College Montana State University are familiar with community resources and are available to refer individuals for assistance and/or treatment to overcome the problem of drug or alcohol abuse. If an individual is reluctant to approach College personnel, information about assistance programs may be obtained by calling the Community Help Line at 761.6010.

- Great Falls College MSU Policy on Drug Free Campus (http://www.gfcmsu.edu/about/policies/PDF/300/303_1.pdf)
- Great Falls College MSU Policy on Alcohol at Campus Events (http://www.gfcmsu.edu/about/policies/PDF/600/603_1.pdf)

Equal Opportunity Policy

Great Falls College Montana State University is committed to the provision of equal opportunity for education, employment, and participation in all College programs and activities without regard to race, color, religion, national origin, creed, service in the uniformed services (as defined in state and federal law), veteran status, gender, age, political ideas, marital or family status, physical or mental disability, genetic information, gender identity, gender expression, or sexual orientation.

The College's Equal Opportunity Officers are the Executive Director of Human Resources and the Associate Dean of Student Services, 2100 16th Avenue South, Great Falls, MT 59405. Telephone: 406.771.4300

- Great Falls College MSU Policy on Equal Opportunity (http://www.gfcmsu.edu/about/policies/PDF/300/302_1.pdf)

Discrimination, Harassment, Sexual Misconduct, Dating Violence, Domestic Violence, Stalking and Retaliation

Great Falls College Montana State University prohibits and will not tolerate discrimination, harassment, sexual misconduct, dating violence, domestic violence, stalking, or retaliation on its premises, within any of its programs, services or other College-sponsored activities, or by anyone acting as an agent of the College. Great Falls College Montana State University is committed to providing and ensuring a safe, positive learning environment that is free from harassment. A complete version of this policy may be obtained from Human Resources, Student Central, or online in the Great Falls College MSU Policy on Discrimination, Harassment, and Sexual Misconduct (http://www.gfcmsu.edu/about/policies/PDF/300/301_1.pdf).

Great Falls College MSU is committed to the provision of equal opportunity for education, employment, and participation in all College programs and activities without regard to race, color, religion, national origin, creed, service in the uniformed services (as defined in state and federal law), veteran status, gender, age, political ideas, marital or family status, pregnancy, physical or mental disability, genetic information, gender identity, gender expression, or sexual orientation. The College's Equal Opportunity Officer is the Chief Student Affairs & Human Resources Officer, 2100 16th Avenue South, Great Falls, MT 59405. Telephone: 406-771-4300.

Student Services

Academic Information

Academic Forgiveness/Fresh Start GPA

This policy offers currently enrolled students a one-time, one-year window of opportunity to petition for Academic Forgiveness, allowing students who earlier had experienced academic difficulty to improve their academic standing and GPA. The policy can be found on the policy website (http://www.gfcmsu.edu/about/policies/PDF/300/311_1.pdf).

Students wishing to petition for a Fresh Start GPA should contact the Advising and Career Center to initiate the process.

Academic Grievance Policy

A student who believes that a policy of the college has been violated may make a complaint following the procedures outlined in this section. When possible, a student should attempt to resolve the complaint informally, by bringing it to the attention of the individual(s) directly involved. However, when informal methods fail, the College will assist in the resolution of complaints through the formal procedures outlined on the following pages.

Please see the link below, particularly sections 300.30 and 300.60, for more information and the entire policy.

http://www.gfcmsu.edu/about/policies/PDF/300/300.pdf

Academic Progress

Academic progress standards are as follows:

- All students enrolled in credit bearing courses at Great Falls College MSU are required to maintain a 2.0 cumulative grade point average (CGPA). Students with less than a 2.0 CGPA at the end of any academic term will be notified by the Registrar that they have been placed on academic probation for the following academic term. If, at the end of a subsequent term, they meet the required 2.0 CGPA, they are removed from academic probation. Academic probation serves to notify students that the quality of their work is below an acceptable level and that the continuation of unsatisfactory work during their next semester of enrollment will result in academic suspension.
- All students enrolled in credit bearing courses who receive less than a 2.0 GPA and have a CPGA below a 2.0 for the second consecutive academic term will be suspended from the College. Students on academic probation who earn at least a 2.0 grade average for the semester without raising their cumulative grade point average to the required minimum will remain on academic probation.
- Following suspension, students will not be considered for reinstatement until at least one semester (excluding summer) has passed. Re-admission must be initiated through the Admissions Office by completing the Application for Admissions and the Satisfactory Academic Progress Appeal Form. If the appeal for re-admission is approved, students will be re-admitted on probationary status, and will be re-enrolled under the current catalog requirements for graduation.
- Transfer applicants who have been at another school will have to complete the Academic Appeal process to be considered for admission.
- Transfer applicants may be admitted on academic probation based upon their academic standing at previous institutions.
- Re-admitted applicants may be admitted on academic probation based upon their cumulative grade point average (CGPA) and/or academic standing when last in attendance.
- Students who have been placed on academic probation or suspension may appeal in writing to the Registrar for a review of their circumstances.

Adding Courses

Course Addition

Students may add courses on Banner Web/My Info up to the end of the 3rd day of fall and spring semesters and the 2nd day of summer semester.

The following steps must be completed in order to add a course after the 3rd day of the fall and spring semesters and after the 2nd day for summer semester.

To add a course that has started, students must complete an Override Authorization Form (http://records.gfcmsu.edu/documents/forms/OverrideAuth.pdf). The form must be approved and signed by the appropriate college personnel.

To add a course that has not started and that has openings, students must complete an Add Card (http://records.gfcmsu.edu/documents/forms/AddCard.pdf). They do not need an instructor's signature if the course has not met.

To add a course that has not started and is full or has restrictions (prerequisite, etc.), students must complete the Override Authorization Form (http://records.gfcmsu.edu/documents/forms/OverrideAuth.pdf). The form must be approved and signed by the appropriate college personnel.

Attendance

Great Falls College recognizes the correlation between attendance and both student retention and achievement. Any class session or activity missed, regardless of cause, reduces the opportunity for learning and may adversely affect a student's achievement in the course.

Class attendance and/or participation is required in all courses, regardless of the method of delivery (face-to-face, hybrid, or online) and students are expected to attend all class sessions for which they are registered. Instructors may establish absence policies at their own discretion within their courses to conform to the educational goals and requirements of their courses; however, policies will be clearly detailed in the course syllabus, which must be provided to each student enrolled in the course. It is the responsibility of the student to arrange to make up work missed because of legitimate class absences and to notify the instructor when an absence will occur. The instructor determines the effect of the absences on grades.

Students who do not attend a class prior to the end of the 15th day of fall and spring semesters (this deadline is prorated for the summer term(s)) and do not drop themselves from the course will not receive a refund of tuition or fees in the course and will not be allowed to attend/participate in the class or submit assignments. Failure to attend or participate in a course will adversely impact a student's financial aid award and bill with the college.

http://www.gfcmsu.edu/about/policies/PDF/200/210_1.pdf

Common Course Numbering

Transferring between colleges in the Montana University System (MUS) is easy. The Montana University System has adopted a common-course numbering (CCN) policy.

The CCN policy ensures that equivalent courses at different campuses will have the same title, number, and prefix, and that all such equivalent courses will be accepted in transfer as if they had been taken at the receiving campus. This makes it easy to know which courses taken at one campus have equivalents at other campuses, and thus which courses will transfer without the need for further transcript review.

Visit the Montana University System website for the Common Course Numbering Transfer Guide (https://ccn.mus.edu/search/) for all schools in the Montana University System.

Course Numbering System

Courses numbered below the 100 level cannot be used to satisfy core requirements or general elective requirements and do not count toward graduation requirements, except when required in certificate programs. These courses do count as credits required to meet financial aid satisfactory academic progress requirements if enrollment is required based on placement test scores.

A unit of credit at Great Falls College MSU is defined as three hours of student work per week for a 15 week semester, or an equivalent number of work hours in an instructionally related activity, and/or student study time. Academic credit is awarded based upon this definition, which is consistent with the glossary definition of a credit unit as defined by the Northwest Commission on Colleges and Universities.

Course Substitution and/or Course Waiver

Students may request a substitution for a course if they have previously completed a college course in which the subject matter closely parallels that of the course for which they request the substitution. The Program Director, Division Director, and the Registrar must approve all substitutions. In no instance will a reduction be made in the number of credits required for completion of a program.

A course may be waived if the student has previously completed equivalent work. All waivers must be approved by the Program Director, Division Director, and the Registrar. College credit will not be given for a waiver. In no instance will a reduction be made in the number of credits required for completion of a program.

Degrees Offered

Certificate of Technical Studies (CTS)

An award for completion of a program designed for one to two semesters. It is awarded to students demonstrating mastery of skills and knowledge against specified performance standards in a specific area or discipline and may lead to a CAS or AAS degree.

Certificate of Applied Science (CAS)

The Certificate of Applied Science (CAS) recognizes a short program of study designed to prepare the student for entry-level employment in a specific technical field. The Certificate of Applied Science is comprised of 30 - 45 credits, with rare exceptions. Students should be able to complete the Certificate program in one calendar year or less if they are academically prepared in math and writing. The general education coursework in a

Certificate of Applied Science often has an applied, rather than an academic, focus.

Associate of Applied Science (AAS)

The Associate of Applied Science (AAS) degree is awarded in specific technical career fields. This degree is designed to prepare students for immediate entry into employment but may be fully or partially transferable to programs at selected four-year institutions.

The Associate of Applied Science degrees must be comprised of at least 60 but no more than 72 credits. For students entering these degrees prepared for the math and writing required, the Associate of Applied Science degree requires at least two academic years to complete. A main difference between this degree and the Certificate of Applied Science is the additional general education coursework required.

Great Falls College MSU offers AAS degrees in both the Business, Trades and Technology and Health Science areas. Specific requirements for each program are listed in the program sections of this catalog.

Associate of Arts (AA)

The Associate of Arts degree is a general transfer degree indicating that the student has completed a course of study equivalent to the first two years of a bachelor's degree. This degree does not officially include a major or minor course of study. For example, a student who plans to emphasize history receives the Associate of Arts degree, not an Associate of Arts in History.

Associate of Science (AS)

The Associate of Science degree is a general transfer degree indicating that the student has completed a course of study equivalent to the first two years of a bachelor's degree. This degree does not officially include a major or minor course of study. For example, a student who plans to emphasize mathematics receives the Associate of Science degree, not an Associate of Science in Mathematics.

Baccalaureate requirements vary considerably among and within institutions. It is strongly recommended that students pursuing a general program of study for their Associate of Science or Associate of Art degrees carefully select courses that will meet specific institution program requirements for a baccalaureate degree. A current catalog of the selected institution should be consulted. Students should work closely with an academic advisor at the transfer institution.

Associate of Science in Nursing (ASN)

The Associate of Science in Nursing (ASN) is a nursing degree program. Associate degree programs in nursing offer liberal arts and science courses similar to what you would take within any associate degree program at a community college or junior college. Added to the associate degree foundation courses are nursing courses and clinical experiences in local hospitals and health care facilities.

Dropping/Withdrawal from Courses

Students may drop one or more courses on Banner Web/My Info with no grade up to the end of the 15th day of fall and spring semesters. This deadline is prorated for the summer term(s). Tuition and fees are adjusted accordingly. See the Institutional Tuition and Fees policy (http://www.gfcmsu.edu/about/policies/PDF/300/308_2.pdf) for further information.

Although no refund will be given for withdrawals after the 15th day of fall and spring semesters (this deadline is prorated for the summer term(s)), students may continue to drop one or more courses with a grade of "W" prior to the end of the published deadline in the Academic Calendar. The following steps must be completed in order to drop a course after the 15th day of the fall and spring semesters (this deadline is prorated for the summer term(s)).

1. If you are considering dropping all of your courses (considered a complete withdrawal) you must first contact your advisor. Otherwise, proceed to step 2.
2. If you are dropping one or more courses, but not all of your courses:
   a. First contact the instructor for each course you are considering dropping. The purpose of meeting with your instructor is not to obtain permission to drop, but to have a meaningful conversation about your progress in the course and whether or not dropping is the best option.
   b. If, after communicating with the instructor, you have decided not to drop the course, no further action is necessary.
   c. If, after communicating with the instructor, you have decided to drop the course:
      i. Obtain a Drop Card from the instructor for each course and have the instructor sign it. Then, meet with your advisor for a review of your academic plan and to obtain their signature.
      ii. If you are unable to meet personally with your instructor, you must contact them by other means (phone, email, D2L, etc.). Obtain a Drop Card for each course from the instructor or advisor and attach documentation of your communication with the instructor. Then, meet with your advisor for a review of your academic plan and to obtain their signature.
      iii. Students without an assigned advisor at Great Falls College MSU (excluding high school dual enrollment students) must contact the Advising & Career Center for assistance after contacting the instructor.

Students may not drop all of their courses online in Banner Web/My Info. They must contact the College to complete the appropriate Withdrawal paperwork. Tuition and fees are adjusted accordingly for total withdrawals up to the end of the 15th day of fall and spring semesters. This deadline is prorated for the summer term(s). See the Institutional Tuition and Fees policy (http://www.gfcmsu.edu/about/policies/PDF/300/308_2.pdf) for further information.

Grading

The following table outlines the grading system used at Great Falls College Montana State University:

Grades	Quality of Work	Grade Points for Each Credit
A	Excellent	4.0
A-	-	3.7
B+	-	3.3
B	Above Average	3.0
B-	-	2.7
C+	-	2.3
C	Average	2.0
C-	-	1.7
D+	-	1.3
D	Passing	1.0
D-	-	0.7
F	Failing	0.0
P	Pass	0.0
W	Withdrawal	0.0
I	Incomplete	0.0
E (followed by any letter)	Academic Forgiveness/ Fresh Start GPA	0.0
AU	Audit	0.0
CR	Credit	0.0
NC	No Credit	0.0
NR	Not Recorded	0.0
T (followed by any letter)	Transfer Work	0.0

Audit

Registered students may, with the permission of faculty, enroll in a course as an auditor for no credit. Auditors are not required to be degree-seeking students; however, all auditors must apply for admission to the college by the appropriate deadline for the term. Students must enroll to audit a course by the Add deadline of the term. Auditors pay the same fees as students enrolled for credit and are expected to follow the attendance guidelines set forth in the course. If attendance guidelines are not followed, the student may be issued a failing grade. If attendance guidelines are followed, the student will receive a grade of AU.

Incomplete

An Incomplete (I) grade is issued at faculty discretion when student coursework has been satisfactory, but unavoidable mitigating circumstances have prevented the student from completing the course.

After consulting with the instructor of the course, a student must make a formal request for an incomplete grade by completing the Request for an Incomplete Grade form, stating what unavoidable mitigating circumstance(s) prevented completion of the work and proposing the conditions under which the work will be completed. If a request form does not accompany the final grade, the student will be issued a Not Recorded (NR) grade until the proper paperwork is completed and submitted to the Records Office. If the instructor approves the request, the student will have until the end of the following semester to make up the Incomplete. If a student fails to make up an Incomplete within the allotted time, the incomplete grade will be converted to an F. The Division Director will approve all Requests for Incomplete Grades before they are submitted to the Registrar for posting. The Department Chair or Division Director must be given all information necessary to do final grading for the student as backup for the instructor in case he/she is not available to do the grading at the appropriate time.

- Request for Incomplete Grade form (http://records.gfcmsu.edu/documents/forms/RequestForIncomplete.pdf)

Pass/Fail Policy

As a general policy, courses at Great Falls College MSU may be graded with the letter grades A, A-, B+, B, B-, C+, C, C-, D+, D, D- and F. However, certain courses, as indicated in the catalog, are offered only on a pass/fail basis for ALL students registered in the course. Typically, a passing (P) grade is equivalent to a grade of "C-" or better; however, this may vary by course or program. Students receiving "P" grades may not request a change to a letter grade.

Course Repeat

Courses may be repeated to increase one's knowledge and/or grade point average. The original grade, as well as subsequent grade(s) in the course, is reflected on the academic transcript. However, the grade and grade point value for the repeated course will replace the earlier grade and grade point value in the cumulative totals. The grade and accompanying information for a repeated course will be posted on the student's academic transcript for the semester during which the repeated course was completed.

Students may repeat a passed course only one time on financial aid. Passed courses are those courses completed with a grade of a D or above. If a student repeats the same course more than once, that course will not be considered in determining the enrollment status for financial aid purposes but will still be counted in attempted credits for Satisfactory Academic Progress determination.

Grade Point Average (GPA)

A student's level of academic performance is determined by the grade point average (GPA). To calculate the GPA the total number of grade points is divided by the total number of completed credits.

Grade Reports

Faculty are required to submit mid-term and final grades by the deadlines set by the Registrar's office. Mid-term grades are available to students on Banner Web/My Info after the halfway point of the term. Final grades are available to students on Banner Web/My Info one week after the end of the term.

In addition to mid-term and final grade reporting, frequent student progress feedback is required. Using the designated learning management system for grade reporting is mandatory for all Great Falls College MSU courses that don't use an embedded grade reporting mechanism that provides real-time grade feedback, such as MyMathLab, etc. If an instructor chooses to use a grade system other than designated learning management system that meets the real-time feedback criterion, a link must be posted on the course-designated learning management page directing students to that system.

Academic Records Appeals

Appeals regarding academic records must be addressed within three years of course enrollment. Any appeals filed more than three years after the date of last attendance will not be considered. Note: This policy applies to appeals for retroactive withdrawals and tuition refunds only.

- Request for Special Consideration form (http://records.gfcmsu.edu/documents/forms/SpecialConsideration.pdf)

Change of Grade

A change of grade may be submitted to the Registrar for a variety of reasons. All grade changes must come from the instructor, department chair, or division director. If, after consulting with the instructor, questions still remain about the changing of a grade, please refer to the Academic Complaint Procedure.

- Great Falls College Policy on Student Conduct and Grievance (http://www.gfcmsu.edu/about/policies/PDF/300/300.pdf)

Graduation

- Graduation Packet (http://records.gfcmsu.edu/documents/forms/Graduation%20Application.pdf)

Great Falls College MSU students follow the catalog in effect when they began their enrollment at the College as long, as that enrollment has been consecutive, or may elect to follow any subsequent catalog. If a student is absent for one or more semesters (excluding summer), the catalog in effect at the time of re-admission governs the student's graduation requirements. Students must pass all required courses and have an overall/cumulative grade point average of 2.0 to graduate from Great Falls College MSU.

Some GFC MSU programs have specific requirements for matriculation and graduation. Students are informed of other specific program policies and requirements at the time of their program application, orientation, and throughout their educational experience.

Courses that require a grade of C- or above are designated for each program in the program section of this catalog.

A student must submit a formal application for graduation by the published term deadline. Applications can be obtained from Student Central or online (http://records.gfcmsu.edu/documents/forms/Graduation%20Application.pdf).

Application deadlines are published in this catalog and on the Academic Calendar located on the College's website. Students who fail to submit an application for graduation will not receive a certificate/degree.

Students will be awarded a certificate/degree upon satisfactory completion of all program requirements, provided that 25% of the coursework required in the degree program has been completed at GFC MSU.

The commencement ceremony is held each May, at the conclusion of the spring semester. Caps and gowns can be purchased through the Bookstore for a fee. Graduation announcements are also available for purchase through the Bookstore.

Lost diplomas can be replaced at the request of the student. The cost of replacing a certificate, diploma, and/or cover is $10.

Posthumous Degrees

In exceptional circumstances, GFC MSU may award degrees posthumously.

- Great Falls College MSU Policy on Posthumous Degrees (http://www.gfcmsu.edu/about/policies/PDF/300/308_4.pdf)

Honors

Great Falls College MSU recognizes students' academic achievements according to the following standards:

Dean's List

To be eligible for the Dean's List, a student must earn 12 or more credits in one term in courses that are not graded as Pass/Fail, have a semester grade point average of 3.5 or above, and not have any incomplete grades. If incomplete grades that were changed to passing grades might affect Dean's List eligibility, the student may request a letter noting Dean's List recognition.

Phi Theta Kappa

A chapter of Phi Theta Kappa, an international honor society for two-year colleges, was chartered at Great Falls College MSU in 1998. Membership is based primarily on academic achievement. Students who meet the criteria are invited to join each semester. To be eligible, students may be full-time or part time, must have completed 12 semester credits, and must have a cumulative grade point average of 3.5.

Membership in Phi Theta Kappa offers much more than a mere certificate of membership. The organization offers opportunities for scholarships, intellectual enrichment, and personal development through programs based on the four hallmarks of Scholarship, Leadership, Service, and Fellowship. For further information, contact the Beta Eta Omicron Chapter Advisor at studentactivities@gfcmsu.edu.

Graduation Honors

Upon successful completion of program requirements, a graduating student with a cumulative GPA of 3.75 or higher will receive High Honors, and a graduating student with a cumulative GPA between 3.5 and 3.749 will receive Honors. Graduation Honors are noted on the student's transcript.

Prerequisite Policy

Prerequisites are listed in the Great Falls College Montana State University current catalog course descriptions and curriculum pages. Students will not be able to enroll in a course without the necessary prerequisites. However, if circumstances merit, an Override Authorization Form (http://records.gfcmsu.edu/documents/forms/OverrideAuth.pdf) allows a student to enter a course without the proper prerequisite; this form must be approved and signed by the appropriate faculty member and/or division director.

Currently enrolled students who do not pass the prerequisite courses with the necessary grade will not be allowed to take the subsequent course. Those already enrolled in the subsequent course will be dropped from that course. Students will be notified of this change in their enrollment status within one week of final grades being posted for the prerequisite course. At that time, they may need to change their schedules. It is suggested that students contact their Advisor to make those changes.

- Great Falls College MSU Policy on Prerequisites (http://www.gfcmsu.edu/about/policies/PDF/200/212_1.pdf)

Quarter to Semester Credit Conversion

If a student has taken courses at an institution using quarter credits or units other than semester credits, Great Falls College MSU will convert any quarter credits/units transferred into semester credits. Credits will not be lost in the conversion. For example, 15 quarter credits (15 x 2/3 = 10) would convert to 10 semester credits.

If a course is transferred as a required course for a degree or credential, it will be accepted as the equivalent Great Falls College MSU course. If the course is not the same semester hours as the course at GFC MSU, the student will need to meet program hours for graduation.

Please see the link below for more information and the entire policy.

- Great Falls College MSU Policy on Quarter to Semester Credit Conversion (http://www.gfcmsu.edu/about/policies/PDF/300/306_3.pdf)

Student Conduct Academic Expectations

As an institution of higher education, Great Falls College Montana State University requires its students to adhere to high standards for academic integrity. It is a violation of academic integrity to present the ideas, designs, or work of another person as one's own effort or to permit another person to

do so. For more information, please see sections 300.40 and 300.50 of the Great Falls College MSU Policy on Student Conduct and Grievance (http://www.gfcmsu.edu/about/policies/PDF/300/300.pdf).

Student Conduct Behavorial Expectations

Great Falls College MSU expects all students to conduct themselves as honest, responsible, and law-abiding members of the academic community, and to respect the rights of other students, members of the faculty, staff, and the public to use, enjoy, and participate in the College's programs and facilities. Student conduct that disrupts, invades, or violates the personal and property rights of others is prohibited and may be subject to disciplinary action. For more information and the complete policy, please see section 300.70 of the Great Falls College MSU Policy on Student Conduct and Grievance (http://www.gfcmsu.edu/about/policies/PDF/300/300.pdf) and the Great Falls College MSU Policy on Discrimination, Harassment, and Sexual Misconduct (http://www.gfcmsu.edu/about/policies/PDF/300/301_1.pdf).

Student Evaluation of Courses

Students are provided the opportunity to evaluate each of the courses they complete at the College during the final weeks of each course.

Students are asked to approach the serious task of course evaluation professionally and positively. All faculty look forward to input from students in their courses. Faculty utilize the input from their students to improve or modify courses.

Student Responsibilities

Students must:

1. be prompt and regular in attending classes;
2. be well prepared for classes;
3. submit required assignments in a timely manner;
4. take exams when scheduled;
5. act in a respectful manner toward other students and the instructor and in a way that does not detract from the learning experience; and
6. make and keep appointments when necessary to meet with the instructor.

In addition to the above items, students are expected to meet any additional course and behavioral standards as defined by the instructor.

For more information or to read the entire policy, please see section 300.10 of the Great Falls College MSU Policy on Student Conduct and Grievance (http://www.gfcmsu.edu/about/policies/PDF/300/300.pdf).

Transcript of Record

Walk-in requests for transcripts should be turned in to Student Accounts in Student Central. If the student requesting a transcript has an unpaid financial obligation to any Montana State University campus, the request will not be processed until the bill has been paid and the student has notified the Registrar's Office of payment.

During most of the year, requests for transcripts will be processed within three to five working days after being received by the Registrar's Office. Requests received during the last week of a semester will be held until final grades are processed.

Transcripts are sent only at the written request of the student. The request must include a signature, and can be paid with cash, check, money order, or credit card. Requests should be addressed to:

Registrar's Office - Transcripts
Great Falls College Montana State University
2100 16th Ave S
Great Falls, MT 59405

The first request for an official transcript will be processed without a fee; thereafter the processing fee for each transcript is $3.00.

Transcripts/records submitted from other institutions/agencies cannot be released or duplicated, as they remain the property of the institution/agency.

Students attending Great Falls College MSU after 1987 can access an unofficial transcript by clicking "Banner Web/My Info (https://atlas.montana.edu:9001/pls/gfagent/twbkwbis.P_GenMenu/?name=homepage)" and logging into the secure area.

Waitlist Policy

Students who want to register for classes that are at capacity and are not part of a competitive entry program may add a course with a Waitlist through Banner Web/My Info (https://atlas.montana.edu:9001/pls/gfagent/twbkwbis.P_GenMenu/?name=homepage) up to the first day of the semester.

- Great Falls College MSU Policy on Waitlist (http://www.gfcmsu.edu/about/policies/PDF/200/213_1.pdf)

Withdrawal from the College

Students planning to withdraw from all courses must consult with the Advising and Career Center. The Advising and Career Center will provide important information regarding the way a withdrawal will affect financial aid eligibility, tuition and fee refunds, re-admission to the College, and grade point average. Courses the student is enrolled in at the time of withdrawal from the College will be entered on the student's transcript in accordance with the grading policy in effect at that time.

Tuition and fees are adjusted accordingly for total withdrawals up to the end of the 15th day of fall and spring semesters. This deadline is pro-rated for the summer term(s). See the Institutional Tuition and Fees policy for further information:

- Great Falls College MSU Policy on Tuition and Fees (http://www.gfcmsu.edu/about/policies/PDF/300/308_2.pdf)
- Great Falls College MSU Policy on Course Addition, Drop/Withdrawal (http://www.gfcmsu.edu/about/policies/PDF/200/211_1.pdf)

Academic Success Center

- Academic Success Center website (http://students.gfcmsu.edu/asc/)

The Academic Success Center provides free tutoring services to students enrolled in classes at Great Falls College Montana State University and is a hub for academic assistance and collaboration. It is the Academic Success Center's mission to assist students in becoming independent learners as the tutors provide help in subject content and study skills. The Academic Success Center staff will assist students in setting up study groups and are active supporters of all students' efforts to be successful in their academic programs at Great Falls College MSU.

The Academic Success Center is located in R263 at the top of the ramp. They can be reached at 406.771.5121 or academicsuccess@gfcmsu.edu

Study Skills Assistance

The tutors in the Learning Center assist students in the foundational skills required to be successful in college. Some of these skills include:

- Textbook Reading
- Note Taking
- Time Management
- Organization
- Dealing with Testing and Math Anxiety
- Test Preparation

Content Tutoring

Content tutoring is available in the following areas:

- Accounting
- Biology
- Chemistry
- Communications
- Computers
- Geology
- Health Care
- Math
- Psychology
- Statistics
- Writing

Online Tutoring

Tutoring is also available online for students who are enrolled in distance courses or who are not able to come to campus during business hours. No additional software is required for the student to participate. A web cam and microphone are suggested, but there are alternatives available if the student does not have access to them.

Admissions

- Admission Requirements (p. 16)
- Advising (p. 18)
- Applicants (p. 19)
- Prior (p. 19) Learning Assessment (PLA) (p. 19)
- New Student Registration (p. 20)
- New Student Orientation (p. 20)
- Residency Requirements (p. 20)
- Student Registration (p. 21)
- Transfer From Other Institutions (p. 21)
- Transfer To Other Institutions (p. 22)
- Tuition & Fees Policy and Schedules (p. 22)

Admission Requirements

- Application (http://admissions.gfcmsu.edu/)
- Other Forms (http://records.gfcmsu.edu/forms.html)

Please note that any documents submitted to the College during the admissions process become the property of GFC MSU, and will remain a part of the student's admission and/or conduct file. All students must apply for admission, be accepted to the college, and have a completed admissions file prior to registration in courses. Applications will only be moved forward three consecutive terms from the original application.

1. **Complete and Submit an Application File:** Applications for admission may be submitted by clicking on the application link above. Prospective students are encouraged to consult with the Enrollment Specialist for information about selecting a program and financial aid before submitting their applications. Contact the Enrollment Specialist at 406.771.5132 or 1.800.446.2698 to arrange for an appointment.
   a. **Submit the $30 application fee.** Per the Montana Board of Regents of Higher Education Policy 940.2, 'Each campus of the Montana University System shall charge a non-refundable application fee of $30 to each applicant for admission to a graduate or undergraduate program.'
   b. **Provide your high school transcript, diploma, or equivalency.**
      - Applicants to any program must submit copies of high school transcripts, high school diploma, HiSET, or GED scores to Admissions. These records must be final and include the completion/graduation date. High schools must be accredited by the appropriate state office of public instruction.
      - Home school students must furnish the same application materials as other applicants. If their diploma has not been issued by an accredited homeschool academy, then they must submit a diploma or final high school transcript that is signed by the primary (home) instructor and notarized.
2. **Complete Pre-Registration Tasks:**
   a. **Furnish Immunization Records:** In order to be in compliance with Administrative Rules of Montana, updated June 2007, students born after January 1, 1957, taking seven (7) or more credits OR enrolled in a certificate/degree/transfer program must submit proof of TWO vaccinations against measles (rubeola) AND TWO against rubella (German measles) OR show proof of immunity through a Titer Test OR provide an immunization exemption.
      - Immunizations must have been after 12 months of age, the second no earlier than 28 days after administration of the first dose. No measles vaccination given before 1967 is valid and no rubella vaccination given before 1969 is valid. Immunizations must be documented by a physician, registered nurse, or school official; or submit blood draw (Titer test) results proving immunity for BOTH measles and rubella ; or submit documentation of having contracted measles and rubella. Documentation by a physician is required including dates of illness; or documentation of a file for a medical or religious exemption; or show proof of age, if born prior to January 1, 1957. Such evidence must be submitted before students will be permitted to register for courses. For more information about the Administrative Rules of Montana regarding immunizations, visit the link below: www.mtrules.org/gateway/ruleno.asp?RN=37%2E114%2E709 (http://www.mtrules.org/gateway/ruleno.asp?RN=37%2E114%2E709)
   b. **Demonstrate Readiness for College Writing & Math:** Any degree-seeking student must submit copies of placement testing or submit college transfer work in math and writing prior to enrolling in their first semester of classes. Students may demonstrate readiness by any of the following:
      - **Students may take a placement assessment** (for a fee) offered by Great Falls College MSU; arrangements can be made through the GFC MSU Testing Center (http://students.gfcmsu.edu/testing/guidelines.html). If you live outside of Great Falls, remote testing is available – contact the Testing Center for more information at etesting@gfcmsu.edu or 406.268.3711. Students are encouraged to prepare for the Accuplacer before scheduling their assessment. Information and preparation materials can be found at http://students.gfcmsu.edu/testing/ Special arrangements can be made for those applicants who take a placement test at Great Falls College MSU and who have a documented permanent or temporary disability. Assessment scores are only valid at Great Falls College MSU for three years.
      - **Students may submit their ACT or SAT scores**. Scores are only accepted three years from the date of the test. Students may choose to have their ACT or SAT scores sent to the College to determine placement. Please have scores sent to the Admissions Office directly from ACT or SAT. The College's ACT code is 2432, and the SAT code is 4482. The addresses and telephone numbers for ACT and SAT are:

ACT
Records
SAT Program
P.O. Box
451
Princeton, NJ 08541
Iowa City, IA
52243-0451
866.756.7346
319.337.1313 www.act.org
(http://www.act.org/)
www.collegeboard.com (http://www.collegeboard.com/)

   - **Successful completion of math and writing (within 15 years) at a previous institution** may be used for placement. Official college transcripts must be issued directly from the regionally accredited college or university, must be sealed and official, and must be sent directly to Great Falls College MSU.
   - **Complete Online Orientation** All degree-seeking students must complete a brief online orientation prior to scheduling an advising appointment and registering for classes.

Admission Types

First Time/Freshman Students

First Time/Freshman Students are degree seeking students, who have never attended college before or have less than 12 credits of transfer work. They are required to complete **all** admission **(**http://admissions.gfcmsu.edu/steps.html**)** requirements. A $30 application fee must accompany the Application for Admission.

Transfer Students

Transfer students are required to complete **all** admission **(**http://admissions.gfcmsu.edu/steps.html**)**requirements listed above. In addition, credits from other regionally accredited post secondary institutions may be accepted as they apply to the established course requirements of Great Falls College Montana State University under the following guidelines:

- The transferring student must initiate the request for evaluation of credit during the admission procedure by furnishing an official transcript from the transferring institution(s) and the necessary materials, including copies of the appropriate catalog descriptions or course syllabi to the Registrar's Office. Official transcripts must be issued directly from the regionally-accredited college or university, must be official, sealed documents, and must be sent directly to the following address: Office of the Registrar

Great Falls College Montana State University
2100 16th Ave S
Great Falls, MT 59405

- Grades less than a "C-" for previous course work will not be considered for transfer credit. Course work taken more than 5 years prior to transfer request may not be accepted. If transfer credit cannot be granted, the student has the option of challenging a course or courses through the Prior Learning policy.
- Transfer credit will be accepted only as it applies to the student's declared program of study.
- Students will be awarded a certificate/degree upon satisfactory completion of all program requirements, provided 25% of the credits required in the degree- related program have been completed at Great Falls College MSU.
- Transfer credit will be posted on the transcript for accepted transferred course work.
- Transfer grades are not figured in the grade point average (GPA).
- Students who wish to appeal a decision regarding acceptance of transfer credit should contact the Registrar's Office to receive information on the appeal process. Students may be asked to provide course descriptions and/or syllabi for an appeal.

Re-admission to the College

Students who have previously attended Great Falls College MSU must re-apply when they have been absent for one semester, excluding summer. Re-admitted students must complete the Application for Admission, which is available in Student Central or on the College's website at http://admissions.gfcmsu.edu/apply.html. Re-admitted students will have to furnish all required application materials if they have not already done so.

Re-admitted students must follow the graduation requirements for the catalog under which they are re-admitted. Previously earned credits will be evaluated on the basis of the current degree or certificate requirements. Credits earned 5 or more calendar years earlier will be reviewed by the appropriate Division Director, program director and/or Registrar, who may require repetition of any course in which the content has substantially changed. Re-admitted students will be required to go through the new student registration processes.

Those students applying for re-admission after serving at least one term of academic suspension must complete an Admissions Academic Progress Appeal Form (http://records.gfcmsu.edu/documents/forms/Adm%20and%20Fin%20Aid%20Joint%20Appeal%20form.pdf) along with the Application for Admission (http://admissions.gfcmsu.edu/apply.html). Such appeals will be reviewed by the Registrar's Appeal Committee before the student is informed in writing of the re-admission decision.

Admission Requirements for Non-Degree Seeking Students

Non-degree seeking students must complete and submit the Application for Admission. For students taking courses with prerequisite requirements, an appropriate placement exam score, a challenge exam, or transcripts demonstrating successful completion of prerequisite courses will be required. A $30 application fee must accompany the Application for Admission. Non-degree students wishing to take more than 6 credits will be required to provide proof of immunization. Please note that non-degree seeking students are not eligible for financial aid.

Early Admission

High school students may be admitted and allowed to register for college-level courses provided they are academically prepared. This process shall be confined to students who present evidence of the ability and maturity to do college work. This admission requires that the high school principal or counselor approve participation of a student in the college level courses. High school students may earn college-level credit to be applied to a degree at Great Falls College MSU or to transfer to another college or university once they graduate from high school. If the student is under 18, a parental approval form must also be submitted. Course records for students will be entered and maintained on a Great Falls College MSU transcript. Early admission students will also have to furnish all required application materials if they have not already done so.

Non-immigrant Foreign Students

Great Falls College MSU is authorized under federal law to enroll non-immigrant foreign students. Each non-immigrant foreign student is required to furnish the following documents in order to be considered for admission:

1. Completed Application for Admission accompanied by a $30 non-refundable application fee;
2. TOEFL (Test of English as a Foreign Language) scores from an accredited testing service. A minimum score of 500 is the acceptable standard on the paper-based test, 173 on the computer-based test and 61 on the internet-based test. More information about TOEFL may be obtained from the Education Testing Service, Princeton, NJ 08540 or on the following websites: www.ets.org (http://www.ets.org) and www.toefl.org (http://www.toefl.org);
3. Proof of completion of the equivalent of an American high school education with satisfactory grades. Transcripts must be evaluated by a credential evaluation service to make this determination. Please contact Admissions & Records for a list of credential evaluation services;
4. A Declaration of Finances or other present evidence of funds necessary to pay all living expenses and travel to and from the college;
5. All non-immigrant foreign students must show a physician-validated immunization record for measles, rubella, diphtheria, tetanus, and skin testing for tuberculosis. The evidence must be presented before a student will be permitted to register;
6. Evidence of an accident and sickness insurance policy or one of equal coverage for each semester in attendance at the College.

After a non-immigrant foreign student has completed all of the above items and returned the required forms, his/her admission file will be reviewed and a letter will be sent indicating either acceptance or denial of admission. Upon acceptance, the College will issue an I-20 Certificate of Eligibility for non-immigrant F-1 student status.

Advising

All degree-seeking students are assigned to an advisor in the Advising & Career Center. Your academic advisor is one of the most important and helpful individuals to you during your time at Great Falls College MSU. It is important for you to work with her or him on all decisions regarding your course load and plans. You should use your advisor in the Advising & Career Center as a resource when building your academic plan and make it a point to visit your academic advisor on a regular basis.

Advisors help with:

- Selecting courses that match your interests and skills
- Choosing a degree program
- Making a long-term academic plan in order to meet your goals
- Interpreting placement test scores and transcripts from other colleges
- Short- and long-term academic planning
- Transfer requirements, registration procedures, and class scheduling
- Completing an application for graduation
- Academic concerns
- Assisting students and making referrals to other college and community resources

Advisors also answer questions about college policies, instructor expectations, and extra-curricular activities. In addition, students are required to meet with their advisor to determine which classes best meet their academic goals. Great Falls College MSU's advisors are a valuable resource for students who need information about college and community resources that make it easier to attend College.

Career Services

Career Services is a resource to help students and alumni acquire skills and information to secure employment. In addition, Career Services provides assistance to students looking for temporary, part-, and full-time employment in addition to internship opportunities. Career Services provides the following services:

- Career counseling
- Job listings on JobWire (for students, alumni, and employers)
- Personalized assistance with resume and cover letter writing, interviewing, job searching, and exploring career choices
- Occupational trend information
- Major exploration

Career Services is located in the Advising & Career Center in R220.

Applicants

As an open admission institution, Great Falls College MSU will attempt to admit all persons who complete admission requirements. The College reserves the right to deny or conditionally admit, readmit, or cancel the enrollment of any individual who, in the judgment of the College, presents an unreasonable risk to the safety and welfare of the College community, or who has failed to maintain satisfactory academic progress.

Applicants/current students may be asked to complete either a Safety and Security Questionnaire or an Admissions Academic Appeal form before an admission decision is made or changed.

Notification of an admission decision will be mailed to the applicant.

Admission to the College does not guarantee admission to a specific program. In the case of programs with limited enrollment, acceptance of individuals will be based on the criteria described in the program's applicant packet and/or timely completion of the admission requirements for each program. Students should check with their advisor or program director for program-specific admission requirements.

Admission decisions may be appealed, in writing, to the Chief Student Affairs Officer. Students who choose to apply for financial aid may be required to provide additional documentation.

All applicants will be considered without regard to race, color, religion, national origin, marital status, age, gender, disability, or disadvantage in accordance with the following guidelines:

Degree Seeking

A degree seeking applicant is one who possesses a high school diploma or its equivalent and will enroll in a specific program to earn a certificate or degree.

Non-Degree Seeking

A non-degree seeking applicant is one who will not enroll in a specific program to earn a certificate or degree. If status changes at a future date to degree seeking, additional admission requirements will have to be met. Non-degree seeking applicants are not eligible for financial aid.

Full-Time Student

A full time student is one who is enrolled in 12 or more credit hours per term. Students who do not meet the criterion for full-time classification are part-time students.

Program Requirements

Great Falls College MSU has several programs that are limited enrollment programs, accepting a limited number of students each year. Interested students are urged to contact the specific program directors as well as the Admissions Office for information specific to admission requirements and criteria for program acceptance. This process is separate from the general Application for Admission submitted to the Admissions Office.

Program directors may deny admission to a specific program based upon individual program admission criteria. In addition, program directors may dismiss a student from a specific program and withdraw that student from applicable courses in the case of student misconduct as defined by the program and/or standards outlined in the program handbook.

Some licensing or certification boards have varied restrictions, which may affect persons with a history of felony conviction. The College assumes no responsibility for the denial of licensure or certification by such boards. Prospective students are responsible for contacting the appropriate boards concerning any questions regarding their eligibility for licensure or certification.

Prior Learning Assessment (PLA)

College credit earned by currently enrolled students who successfully complete approved Advanced Placement (AP) examinations, CLEP and DANTES/DSST examinations will have credits recorded on their academic records without an additional fee. Credit will not be awarded for courses that are prerequisites to subsequent courses that have been completed, or for courses that have been failed or previously audited.

College Advanced Placement (High School Students)

Applicants who have taken Advanced Placement (AP) courses in high school should request that the official scores be sent to Registrar's Office. Grades of 3, 4, or 5 on an Advanced Placement examination will be granted college credit for the appropriate courses.

College Level Examination Program (CLEP) and DANTES/DSST

Great Falls College MSU awards credit toward graduation for successful performance in certain subject examinations of the CLEP and DSST programs. Students may arrange to take these examinations at designated centers. Passing grades and the awarding of credit is determined by the American Council on Education (ACE) credit recommendations.

Great Falls College MSU test identification numbers:

- CLEP 7691
- DSST 9472
- ACT 2432
- SAT 4482

Prior Learning Assessment (PLA)

Great Falls College MSU recognizes that learning occurs outside of the college setting. The outcome of this learning is often the acquisition of skills and/or knowledge that may be equivalent to learning at GFC MSU and other institutions of higher education. GFC MSU may award credit for this learning through the Great Falls College MSU PLA Policy 306.1, (http://www.gfcmsu.edu/about/policies/PDF/300/306_1.pdf) which is based on the Northwest Commission on Colleges and Universities (NWCCU) Policy 2.3.
  Additional Procedure information can be found at: http://www.gfcmsu.edu/about/policies/PDF/300/306_1_1.pdf and the PLA form can be found at: http://records.gfcmsu.edu/documents/forms/Prior%20Learning%20Form.pdf

New Student Registration

All new, transfer, or re-admitted degree seeking students will be required to attend or complete the online Orientation prior to registration for their courses with Great Falls College MSU. Advisors assist students in registering for classes in one-on-one advising sessions following the online Orientation. Students completing a program from a distance will have online support and advising by phone.

The following requirements must be satisfied prior to Orientation and registration for courses at Great Falls College MSU:

·   Completed Admission File (see Admission Requirements (http://catalog.gfcmsu.edu/student-services/admissions/requirements/))

·   Application

·   Proof of high school completion/equivalency

·   Immunization records

·   Placement test scores and/or college transcripts

New Student Orientation

Online Orientation

All new GFC MSU students are required to complete the Online Orientation prior to scheduling their first advising appointment and registering for classes. The Online Orientation is a series of short videos that students will view in order to learn about steps such as creating their single login and password for access to BannerWeb/My Info, how to use the class schedule and academic catalog, as well as how to access a variety of student resources before classes begin and once enrolled.

Tech Essentials

All new GFC MSU students will be required to register for and complete a two-hour class titled *Tech Essentials*. The class is non-credit and free of charge. It is offered during several on-campus and on-line sessions. During this class, students will receive instruction from the Technology Assistance Center in order to use their login and password for Banner Web/My Info, our secure on-line system that provides GFC MSU students, staff, and faculty with access to various academic, registration, and personnel records maintained by the college. The class will also teach students how to navigate D2L/Brightspace, our online learning management system. Additional information about Tech Essentials will be provided through Online Orientation and during advising appointments where advisors will assist students in registering for the class.

Opening Day

New students are also encouraged to attend an Opening Day event. Opening Day is typically held the Saturday before Fall and Spring classes begin. Students will have an opportunity to learn strategies to be successful at Great Falls College MSU, meet faculty, learn about campus resources, purchase text books, and prepare for the first day of classes. More information will be provided to students when they meet with an academic advisor to register for classes.

Student Identification Card

Each student should obtain a nontransferable identification card. The identification card may be necessary when purchasing books, cashing checks in the bookstore, to access labs on campus, and using the library. This ID can be obtained in Student Central. Students can replace a lost identification card in Student Central for $3.

Residency Requirements

- Tuition and Fee Schedule (http://finaid.gfcmsu.edu/tuition.html)

Under policies established by the Board of Regents, in accordance with Montana statutes regarding residency, all applicants for admission and all students at the units of the Montana University System shall be classified as in-state or out-of-state for tuition and fee purposes.

In-State vs. Out-of-State

A person may be classified as in-state following a 12-month continuous period of domicile in Montana with a documented and dated intent to become a resident of Montana as outlined in the Montana University System Guide to Montana's Residency Policy, provided that the person is not registered for more than one-half of a full-time credit load at any post-secondary institution during the 12-month waiting period. Applicants may request a copy of the Student Guide to Montana Residency Policy from Student Central or download it here (http://records.gfcmsu.edu/residency.html). Members of the United States Armed Forces assigned to active duty in Montana, their spouses, and dependent children during the member's tour of duty may be granted in-state residency for tuition and fee purposes.

In-State Completely Online

A person classified as in-state, who does not live in the following counties – Glacier, Toole, Liberty, Hill, Pondera, Teton, Choteau, Lewis and Clark,

Cascade, Judith Basin, Meagher, or Fergus – and is ONLY enrolling in online courses is able to receive adjusted tuition and mandatory fees.

Out-of-State Completely Online

A person classified as out-of-state and taking ONLY online courses is able to receive adjusted tuition and mandatory fees.

Western Undergraduate Exchange (WUE)

The Western Undergraduate Exchange (WUE) is a program of the Western Interstate Commission for Higher Education (WICHE). Through WUE, students in western states may enroll in many two-year and four-year college institutions at a reduced tuition level: 150 percent of the institution's regular resident tuition. Visit the WICHE website at: www.wiche.edu (http://www.wiche.edu/) or visit http://wiche.edu/wue (http://wue.wiche.edu) for more specific WUE information. GFC MSU has a limited number of WUE positions available per year. Please contact Admissions for requirements and application materials.

Questions regarding residency status should be addressed to the Admissions Office in Student Central.

Student Registration

Registration for students is available via Banner Web/My Info on the Internet. Students will need to obtain their advising number/alternate PIN before registering for classes. Continuing students will get this number from their academic advisor. New, transfer and readmit students will receive this number when they complete their Registration Session.

- Continuing students are defined as students who have been continuously enrolled (excluding summer) at GFC MSU.
- New, transfer, or re-admit students must contact Student Central to speak to an Advisor before registering for their classes; this generally happens during the New Student Registration process.

Registration information and dates for new and continuing students are available on the Academic Calendar (http://students.gfcmsu.edu/academiccalendar.html).

Attendance must be confirmed at the time tuition and fee payment is made. Confirmation is a separate process from either registration or payment. Attendance can be confirmed from the payment screen in the Banner Web/My Info secure area, under Billing and Payment.

Financial aid, class schedules, term registration, billing information, and payment options are accessible through Banner Web/My Info.

Students experiencing any problems accessing or using Banner Web/MyInfo should contact Student Central at 406.268.3700.

Transfer From Other Institutions

Great Falls College MSU will only accept courses as transfer credit from regionally accredited post-secondary institutions, in accordance with Policy 306.5 (http://www.gfcmsu.edu/about/policies/PDF/300/306_5.pdf).

Credits may be accepted as they apply to the established course requirements of Great Falls College Montana State University under the following guidelines:

- The transferring student must initiate the request for evaluation of credit during the admission procedure by furnishing an official transcript from

the transferring institution(s) and the necessary materials, including copies of the appropriate catalog descriptions or course syllabi to the Registrar's Office. In order to be evaluated for credit, transcripts must be issued directly from the regionally-accredited college or university, must be official, sealed documents, and must be sent directly to the following address:

> Office of the Registrar
> Great Falls College Montana State University
> 2100 16th Ave S
> Great Falls, MT 59405

- Grades less than a C- for previous coursework will not be considered for transfer credit. Coursework taken more than 5 years prior to transfer request may not be accepted. If transfer credit cannot be granted, the student has the option of challenging a course or courses through the Prior Learning policy (http://catalog.gfcmsu.edu/student-services/admissions/credit-by-examination/).
- Transfer credit will be accepted only as it applies to the student's declared program of study.
- Students will be awarded a certificate/degree upon satisfactory completion of all program requirements, provided 25% of the credits required in the degree-related program has been completed at Great Falls College MSU.
- Transfer credit will be posted on the transcript for accepted transferred course work.
- Transfer grades are not figured in the grade point average (GPA).
- Students who wish to appeal a decision regarding acceptance of transfer credit should contact the Registrar's Office to receive information on the appeal process. Students may be asked to provide course descriptions and/or syllabi for an appeal.

Seamless OneMSU

Through Seamless OneMSU, students can take courses at MSU, MSU Billings, MSU Northern and Great Falls College MSU! Seamless OneMSU makes multi-campus course enrollment easier. By using the Seamless OneMSU students can:

- Transfer from one school to another (migrate to a new 'home' school).
- Simultaneously attend multiple campuses by taking a course (likely online) at a 'host' school while remaining enrolled at the 'home' school.
- Enroll as a Visitor at a 'host' campus for a semester with the intent of returning 'home' the following semester.

The process is not instantaneous or automatic. By completing the form students notify two or more schools of their intent and authorize those schools to move forward with the enrollment requests. For more information click here (http://www.montana.edu/registrar/seamlessonemsu/great-falls.html).

Quarter to Semester Credit Conversion

If a student has taken courses at an institution using quarter credits or units other than semester credits, Great Falls College MSU will convert the quarter credits/units to semester credits using the Great Falls College MSU Policy on Quarter to Semester Credit Conversion (http://www.gfcmsu.edu/about/policies/PDF/300/306_3.pdf).

Transfer To Other Institutions

Great Falls College MSU is accredited by Northwest Commission on Colleges and Universities (NWCCU) (http://www.nwccu.org/). For more information regarding the transferability of courses to other institutions, students should contact the institution they are planning to attend. The College offers a number of transfer options, including the Montana University System Transferable Core and the Associate of Science and Associate of Arts degrees. In addition, students may transfer under one of the Articulation Agreements (p. 76) and Programs of Study (p. 147) that Great Falls College MSU has with specific colleges and universities.

Seamless OneMSU

Through Seamless OneMSU, students can take courses at MSU, MSU Billings, MSU Northern and Great Falls College MSU! Seamless OneMSU makes multi-campus course enrollment easier. By using the Seamless OneMSU students can:

- Transfer from one school to another (migrate to a new 'home' school).
- Simultaneously attend multiple campuses by taking a course (likely online) at a 'host' school while remaining enrolled at the 'home' school.
- Enroll as a Visitor at a 'host' campus for a semester with the intent of returning 'home' the following semester.

The process is not instantaneous or automatic. By completing the form students notify two or more schools of their intent and authorize those schools to move forward with the enrollment requests. For more information click here (http://www.montana.edu/registrar/seamlessonemsu/great-falls.html).

Transfer in Montana

For transfer to other Montana schools, a student may complete a Request for Transmittal of Application Materials form (http://records.gfcmsu.edu/documents/forms/TransmittalApplicationForm.pdf) in order to have the contents of his/her admission file forwarded to the transfer school. There is an $8 fee for this service.

Tuition and Fees Policy

- Tuition and Fees Schedule (http://finaid.gfcmsu.edu/tuition.html)
- Academic Calendar (http://students.gfcmsu.edu/academiccalendar.html) (with payment deadlines)

Tuition and fees are to be paid each semester prior to the posted fee payment deadline unless prior arrangements have been made with Student Accounts. You may be dropped from your classes if payment or prior arrangements are not made. Acceptable payment arrangements include financial aid and the deferred payment plan (explained below). The College accepts credit cards (Visa, MasterCard, and Discover) in addition to cash and checks. Payment must be in U.S. funds only.

Deferred Payment Plan

The deferred payment plan is an interest-free installment loan available for qualified applicants who are unable to make full payment of current semester tuition, fees, and other charges on the regular fee payment day. This plan is available to all qualifying students through Student Accounts. Installment payments and the applicable $30 fee are collected and processed by Student Accounts. The Student Accounts office is located in Student Central.

Late Fee

A $40 late registration fee may be assessed if registration for classes is not accomplished prior to 12:01 AM on the first day of class each semester.

Veterans Education Benefits

Great Falls College MSU (GFCMSU) complies with the Veterans Benefits and Transition Act of 2018 (38 U.S.C., section 3679(e)). GFCMSU will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under Chapter 31, Vocational Rehabilitation and Employment, or Chapter 33, Post-9/11 GI Bill.

Fee Refunds - Withdrawal from the College

Per Montana Board of Regents of Higher Education Policy 940.7: Unless otherwise required by the Higher Education Act of 1965, as amended, refunds of fees in the event of withdrawal from school are authorized according to the following procedures. The registration and application fees are non-refundable.

Students withdrawing from Great Falls College MSU are refunded the tuition and fees paid in accordance with the following schedule established by the Board of Regents. In order for a student to receive a refund under the Board of Regents policy, an official withdrawal form must be on file in the Registrar's Office:

Fall & Spring Semester:

Days of Instruction*	Percent Refunded
Prior to first day of class	100
1 - 5	90
6 - 10	75
11 - 15	50
16 - on	0
These dates are pro-rated for the summer term(s)	

* Days of instruction begin with the first day of classes for a term and conclude on the 15th day, which is the deadline to drop/delete courses.

The registration fee and application fees are nonrefundable per Montana Board of Regents of Higher Education Policies 940.2 and 940.7

Cancellation, Refund, and Grading Policy for Courses Numbered 194 and 094

All students wishing to drop from credit or non-credit-bearing Professional and Continuing Education (PCE) courses are required to fill out a Drop Form. These forms are available at the Lifelong Learning office or online. If a class is dropped at least 3 working days prior to the first day of class, the full amount of tuition and fees will be refunded. For credit-bearing courses, the $30 semester registration and $30 one-time application fee will NOT be refunded.

If a class is not dropped at least 3 working days prior to the first day of class or the student enrolls and does not attend, the full amount of tuition and fees will be assessed. In certain instances exceptions to this policy may occur for drops occurring less than 3 working days prior to the first day of class.

To be considered for an exception, an appeal stating the justification for this exception must be made in writing to the Registrar's Office.

If the Division of Lifelong Learning decides to cancel a class, students will receive a 100% refund on all tuition and fees for non-credit courses and a refund on all but the $30 semester registration and one-time $30 application fees for credit-bearing courses. All PCE courses are graded and will show on the student's transcript. Considering that many PCE courses are short in length and therefore intense in content, attendance plays an integral part in the grading process. If you do not attend all of the class dates and times, you may receive a lowered grade for poor attendance. Grade appeals are considered academic complaints. More information can be found in the Great Falls College MSU Policy on Student Conduct and Grievance (http://www.gfcmsu.edu/about/policies/PDF/300/300.pdf).

Lifelong Learning can be reached at 406.771.4303 or l (outreach@gfcmsu.edu)ifelonglearning@gfcmsu.edu (lifelonglearning@gfcmsu.edu)

Changes in Credit Load After Payment of Fees

Students adding courses after payment of tuition and fees are required to pay additional tuition and fees created by the change in credit load.

Students dropping classes (but not withdrawing) will receive a 100 percent refund on courses dropped before the end of the 15th class day. Refunds will not be made after the 15th class day. This schedule applies only to fall and spring semesters. For the summer withdrawal schedule, please see the academic calendar for that term.

Financial Aid Refunds

Refunds are processed approximately three weeks after the start of a semester. If a student's current mailing address (as reported to the College) is within zip codes 59401-59414 (primarily Great Falls and Black Eagle), refund checks will be held in the Student Accounts office for two weeks to allow students to pick up their checks in person. After that time, the checks will be mailed.

If the student's current mailing address(as reported to the College) is outside of these zip codes, the refund check will be mailed immediately unless prior arrangements are made to pick up the check in person.

Some form of picture ID must be presented when picking up refund checks in person.

It is the student's responsibility to maintain a current mailing address with the College.

Students Owing Debts

The College reserves the right to deny registration access to a student who has an overdue debt to any Montana State University unit. Students whose tuition and fees remain unpaid may have their registration for classes cancelled for the current semester. Transcripts, certificates, and degrees will be withheld from any student owing tuition, fees, or charges to a Montana State University unit. In the event a student has not returned books and/or materials belonging to this college or any other Montana University System unit, transcripts, certificates, and degrees may be withheld. Great Falls College MSU may refer past due student accounts to the Montana Department of Revenue and/or a commercial collection agency for collection action. Collection costs, attorney fees, and court costs incurred in the collection of past due accounts will be added to the account and become part of the total amount due.

eLearning

- eLearning Website (http://elearning.gfcmsu.edu/)

The College offers online courses that are an extension of the on-campus course offerings. Over 100 online and hybrid courses are offered in General Education, Accounting, Computer Technology, and Health Sciences. Emphasis is placed on offering online courses that support programs at the Great Falls College MSU, as well as other units of the Montana University System.

Programs and Offerings Available Online

Transfer Degree Options

- Montana University System Core for Transfer
- Associate of Arts Degree
- Associate of Science Degree

Associate of Applied Science Degrees

- Accounting
- Health Information Technology

Certificate of Applied Science Degrees

- Health Information Coding Specialist

Certificate of Technical Studies Option

- Medical Scribe Apprentice

Programs and Offerings Available with Hybrid Options

Contact the Program Directors for more information

Associate of Applied Science Degrees

- Paramedic
- Surgical Technology

Certificate of Applied Science Degrees

- Dental Assistant
- Practical Nurse

Additional information, including detailed course descriptions, is available by visiting our Course Schedule (https://atlas.montana.edu:9001/pls/gfagent/bzskcrse.PW_SelSchClass/) and searching by 'Course Type: Online.'

Online Courses

The College uses a variety of delivery methods to best accommodate students and hires qualified faculty, both inside and outside of the Great Falls area, to meet the needs of students working part- and full-time. Faculty are trained by the Faculty Development Center and supported by the Technology Assistance Center to deliver effective online instruction. The majority of online courses are delivered using the D2L Brightspace learning management system. Online students follow the same registration procedures as campus-based students. Online students have full access to Great Falls College MSU library resources, online advising through the Advising & Career Center, online tutoring through the Academic Success Center, and have the

opportunity to order textbooks online through the Great Falls College MSU Bookstore – http://thecottagebookstore.com. The College plans eLearning opportunities, coordinates their delivery with academic departments, and provides student and faculty support services. Please contact the Technology Assistance Center for more information about the programs and/or course offerings. Students at a distance are an important part of the campus community!

Mixed-Mode (Hybrid) Courses

A hybrid or mixed-mode course combines the traditional classroom setting with an online component. The amount of on-campus class time varies but is less than a traditional face-to-face course. Students enjoy the flexibility and convenience of an online course as well as the benefits of meeting face-to-face for interactive classroom instruction.

Web-Enhanced Courses

Many of the on-campus courses are web-enhanced and use various online tools to enrich the course. An instructor may post their syllabus, lecture notes, handouts, grades, and allow email contact online. Assignments may be turned in electronically.

ADVANTAGES FOR ONLINE COURSES: YOU CAN –

- Take courses from the comfort of your home.
- Earn a degree online while you work.
- Log in and complete assignments any time of day or night.
- Complete prerequisite courses online before relocating.
- Save on travel and childcare costs.
- Blend a course with your work schedule.
- Enjoy learning through an online environment.

CHALLENGES: YOU MUST –

- Be self-motivated.
- Have regular access to an Internet-ready computer and basic computer skills.
- Learn to communicate effectively using the College learning management system and other technologies to connect with students and faculty.
- Beware of procrastination -- online courses follow the same calendar as on-campus classes. Students enrolled in online courses should plan to log in and check the course updates on a daily basis.
- Learn to use the technology along with course content.
- Read instructions and all course materials versus attending on-campus course lectures.

YOU MAY –

- Be required to find a testing proctor or come to campus to take exams for your online course(s), especially Mathematics and Accounting.

  For answers to questions about eLearning opportunities, please visit our website (http://elearning.gfcmsu.edu (http://elearning.gfcmsu.edu/)) or call the Technology Assistance Center at 406.771.4440 or 800.254.2815.

The Technology Assistance Center is located on campus in G100 and provides orientations, trainings, and technical support for online learning.

Financial Aid

TITLE IV SCHOOL CODE: 009314
Regular Office Hours: Monday-Friday 8:00 am - 5:00 pm
Phone: 406.771.4334 or 800.446.2698
FAX: 406.771.4410
Email: finaid@gfcmsu.edu
Mailing Address
Great Falls College MSU, Financial Aid Office, 2100 16th Ave S, Great Falls, MT 59405

Application Process

Students seeking federal financial aid (which includes grants and loans) must complete the Free Application for Federal Student Aid (FAFSA), available online at www.fafsa.ed.gov (http://www.fafsa.ed.gov). As a result of completing a FAFSA, an applicant will receive a federal Student Aid Report (SAR) in the mail or electronically. An electronic version of the SAR is automatically sent to the schools listed on the FAFSA. To list Great Falls College MSU, use our school code: 009314.

Students applying for financial aid may also be required to provide federal income tax information, verification materials, and additional information requested by the Financial Aid Office.

Students must apply for financial aid annually.

Assistance in Applying

Assistance in applying for financial aid is available for prospective and continuing students. In addition, financial aid and financial literacy counseling for new students is an integral part of the admissions and orientation process. Once enrolled, students may receive counseling and assistance as needed. For assistance, please call 406.771.4334 or 1.800.446.2698 (in Montana), or write to the Financial Aid Office, Great Falls College MSU, 2100 16th Ave S, Great Falls, MT 59405, or email finaid@gfcmsu.edu.

Attendance

Attendance is mandatory to receive financial aid. Students must attend classes on a regular basis and complete them to continue to receive financial aid. If a student stops attending part or all of his/her classes, he/she may have to repay part or all of the financial aid he/she has received.

Changes to Financial Aid Policies

Exceptions or amendments to any of the specific provisions regarding financial aid policies or requirements may be made at any time, without publication, due to changes in federal, state, and/or institutional regulations and policies.

Disability Disclosure Statement

The Financial Aid Office may not award financial assistance in the form of loans, grants, scholarships, special funds, subsidies, compensation for work, or prizes to students on the basis of race, color, national origin, sex, or handicap, except to overcome the effects of past discrimination. The Financial Aid Office may administer sex restricted financial assistance where the assistance and restriction are established by will, trust, bequest, or any similar legal instrument, if the overall effect of all financial assistance awarded does not discriminate on the basis of sex. Materials and information used to notify students of opportunities for financial assistance may not contain language or examples that would lead applicants to believe the assistance is provided on a discriminatory basis. If the Financial Aid Office's service area contains a community of national origin minority persons with limited English language skills, such information must be disseminated to that community in its language.

Electronic Notification

The Financial Aid Office at Great Falls College Montana State University uses electronic notification for official correspondence to financial aid applicants. Applicants and recipients must check their official email address frequently for financial aid correspondence. Students may view financial aid status at any time by logging on to Banner Web/MyInfo (https://atlas.montana.edu:9001/pls/gfagent/twbkwbis.P_GenMenu/?name=homepage).

Eligibility Requirements

All recipients of federal financial aid at Great Falls College Montana State University must meet the following general eligibility requirements:

- Have financial need as determined by a need analysis formula provided through information on the Free Application for Federal Student Aid (FAFSA);
- Be a U.S. citizen or an eligible noncitizen;
- Have a high school diploma, GED, HiSET, or high school equivalency (home school students must contact the Financial Aid Office);
- Be enrolled as a regular student in courses leading to a financial aid eligible certificate or degree program generally at least half time (some professional certifications and certain one credit seminars and workshops are not eligible for financial aid);
- Maintain Satisfactory Academic Progress in accordance with the policy of the Financial Aid Office;
- Not owe a refund on a federal grant or be in default on any Title IV loan;
- Register with Selective Service, if required;
- Agree to use any federal student aid received solely for educational purposes;
- Comply with the requirements of the Anti-Drug Abuse Act.

Financial Aid Programs

The following federal and state programs are available at Great Falls College Montana State University. Eligibility is determined through the FAFSA application.

Federal Direct Subsidized Loans/Federal Direct Unsubsidized Loans/Federal Direct Parent Plus Loans

Federal student loans are a form of self-help aid for students enrolled in an eligible program of study. Student eligibility is determined by the FAFSA, which determines whether loan funds are need-based or non-need-based. Students must be enrolled at least ½ time (6-8 credits) to qualify for funding and must be otherwise eligible for federal student aid. Student loan disbursements are made after the drop/add period for each term. A student's enrollment status for loan eligibility is based on credits carried at the end of the drop/add period for the term. Student loans are aid that must be repaid once a student ceases enrollment.

Deferment and/or forbearance provisions for a variety of situations may be available.

Federal Pell Grant

A Federal Pell Grant is a form of gift aid for students enrolled in an eligible program of study who do not already have a bachelor's degree. The amount of the Federal Pell Grant is determined by the Expected Family Contribution on the federal Student Aid Report and the number of credits in which the student is enrolled. Federal Pell Grant disbursements are made after the drop/add period for each term. A student's enrollment status for Federal Pell Grant eligibility is based on credits carried at the end of the drop/add period for the term.

Students are limited to the equivalent of 12 full time semesters of Pell Grant eligibility for undergraduate work for their lifetime.

Federal Supplemental Education Opportunity Grants (FSEOG)

Federal Supplemental Educational Opportunity Grants are a form of gift aid. Student eligibility is determined by completing the FAFSA. Preference for the FSEOG is given to students who have Federal Pell Grant eligibility and who are early applicants. Funding is limited and is awarded on a first-come, first-served basis.

Federal Work-Study

The Federal Work-Study Program offers part-time employment for eligible students. Students seeking eligibility under this program must complete the FAFSA. A student's earnings are limited to the amount awarded through the Financial Aid Office. Federal Work-Study students are paid every other week according to the campus payroll schedule. Federal Work-Study jobs may be on campus or in an off-campus community service organization. Funding is limited and is awarded on a first-come, first-served basis.

State Work-Study

The state Work-Study Program offers part-time employment for eligible students who are Montana residents and enrolled full-time. Students seeking eligibility under this program must complete the Free Application for Federal Student Aid (FAFSA). A student's earnings are limited to the amount awarded through the Financial Aid Office. State Work-Study students are paid every other week according to the campus payroll schedule. State Work-Study positions are all located on campus. Funding is limited and is awarded on a first-come, first-served basis.

Priority Deadlines

Financial aid eligibility is determined every academic year; **students must complete a FAFSA each academic year.**

The priority deadline is the date students must file their FAFSA to receive priority consideration in the financial aid awarding process. Applicants should apply by the March 1 priority date to ensure consideration for all federal funding available for the award year.

New students beginning their attendance in the fall semester should apply for financial aid by July 1. New students beginning their attendance in the spring semester should apply for financial aid by November 1. All students attending the summer semester should apply by March 1. Although the deadlines for fall, spring, and summer are set in July, November, and March, some of the federal and state financial aid programs with limited funding may already be fully expended for the award year.

Students can apply after these deadline dates; however, they may not have their financial aid awarded in time for the beginning of that semester. If a student's aid process is not complete when institutional charges are due, the student must pay his/her institutional charges and be reimbursed with his/her financial aid eligibility once the financial aid process has been completed and aid is received.

Repeat Coursework

Students are allowed to repeat a passed course one time and receive financial aid. Passed courses are those courses completed with a grade of D- or above. If a student repeats the same course more than once, that course is not considered in determining the enrollment status for financial aid purposes but is counted in attempted credits for Satisfactory Academic Progress (SAP) determination. Courses for which the student received a 'W' or 'F' grade may be repeated multiple times as long as the student is otherwise maintaining Satisfactory Academic Progress.

Return of Title IV Funds

This policy applies to students who officially or unofficially withdraw from the College. Refunds are determined according to the following policy:

1. The term "Title IV Funds" refers to the federal financial aid programs authorized under the Higher Education Act of 1965 (as amended) and includes the following programs: subsidized Federal Direct loans, unsubsidized Federal Direct loans, Federal Direct PLUS loans, Federal Pell Grants, and Federal SEOG.
2. A student withdrawal date is:
   - The date the student began the institution's withdrawal process or officially notified the institution of intent to withdraw, or
   - The midpoint of the period for a student who leaves without notifying the institution; or
   - The student's last date of attendance or participation in a documented academically related activity.
3. Return of fund calculations:
   - In accordance with federal regulations, when financial aid is involved, return of funds are allocated in the following order: unsubsidized Federal Direct loans, subsidized Federal Direct loans, Federal Direct Plus loans, Federal Pell Grants, Federal SEOG, other Title IV assistance.
   - Copies of this calculation can be requested from the Financial Aid Office.
4. Institutional and student responsibilities with regard to the return of the Title IV funds.

   Great Falls College MSU's responsibilities with regard to the return of Title IV funds include:

   - Provide each student with the information given in this policy;
   - Identify students who are affected by this policy and complete the Return of Title IV calculation for those students within 45 days of the withdrawal date;
   - Return any Title IV funds that are due to the Title IV programs.

   The student's responsibility with regard to the return of the Title IV funds include:

   - Repay to the Title IV programs any funds that were disbursed directly to the student and which the student was later determined to be ineligible for through the Return of Title IV funds calculation

Examples of this calculation can be obtained from the Great Falls College MSU Financial Aid Office.

Satisfactory Academic Progress Requirements

- Satisfactory Academic Progress Appeal Form (http://records.gfcmsu.edu/documents/forms/Adm%20and%20Fin%20Aid%20Joint%20Appeal%20form.pdf)

Federal and state financial aid regulations require that all financial aid recipients maintain satisfactory academic progress in their programs of study. Failure to maintain satisfactory academic progress will result in financial aid warning or suspension. The first time a student fails to meet the standards for GPA or completion, the student will be placed on warning status and may continue to receive financial aid. Students on financial aid suspension are not eligible to receive financial aid. Below is a brief outline of the standards to achieve satisfactory progress for financial aid recipients at Great Falls College MSU. Contact the Financial Aid Office for a complete copy of the policy.

- Students are required to maintain a minimum 2.0 cumulative grade-point average (C average). Credits accepted in transfer from other colleges and institutions are not included when calculating a student's GPA.
- Students must maintain a cumulative credit completion ratio of 67% or higher. This calculation is based on all attempted credits, including transfer credits.
- Students have a maximum time frame in which to receive financial aid, which is generally 150 percent of the number of required credits specified for each program of study.

- Students who have been placed on financial aid suspension and bring themselves into good standing may be reinstated for the payment period following the semester in which they regained satisfactory progress status. Students must submit a written request for reinstatement.
- Students will receive written notice when they are placed on financial aid suspension; however, it is the student's responsibility to know if they are maintaining satisfactory academic progress for financial aid recipients.

Students who have been placed on financial aid suspension because of failure to meet the satisfactory academic progress requirements may appeal in writing to the Financial Aid Office for review of circumstances. Forms to appeal are available online (http://records.gfcmsu.edu/documents/forms/Adm%20and%20Fin%20Aid%20Joint%20Appeal%20form.pdf) or in the Financial Aid Office. Current federal regulations allow only for mitigating circumstances and occurrences beyond the student's control to constitute an eligible appeal. All appeals must include documentation verifying the mitigating circumstances described in the appeal. An Academic Plan developed with and signed by the student's advisor must accompany an appeal.

Contact the Financial Aid Office for a complete satisfactory academic progress policy for financial aid recipients.

Scholarships

Institutional Scholarships

Great Falls College MSU has a general scholarship application for most institutional scholarships. The deadline for this application is the middle of February for the next academic year. Applications are available at the Financial Aid Office.

Montana University System Honor Scholarship

Recipients of the Honor Scholarship are selected by the Office of the Commissioner of Higher Education and will receive a waiver of tuition for fall and spring semester. Recipients must submit to the Financial Aid Office a copy of their Honor Scholarship notification from the Commissioner's Office upon receipt. More information about MUS scholarships, as well as application forms, can be found at the MUS website (http://mus.edu/Prepare/Pay/Scholarships/default.asp).

Honor Scholarship for National Merit Scholarship Semifinalists

Tuition is waived for National Merit Scholarship semi-finalists from Montana. This scholarship tuition is valid through the first two semesters of enrollment, exclusive of any credits earned prior to high school graduation.

Scholarship Searches

Graduating high school seniors should consult their high school counselors for assistance in scholarship searches. Many high schools offer good scholarship services for little or no charge. The Financial Aid Office posts scholarship information and deadlines on the Financial Aid website as information becomes available. Students should periodically check the Financial Aid Scholarship page (http://finaid.gfcmsu.edu/scholarships/) for updated information. There are many FREE scholarship searches available online as well.

State and Local Services

Montana Vocational and Rehabilitative Services Division, Montana Workforce Services, Bureau of Indian Affairs, Project Challenge, and Rural Employment Opportunities offer assistance to students who qualify for their programs.Contact the specific program for information regarding eligibility requirements. The Financial Aid Office must be notified by the student if any assistance is received from an outside agency.

Tuition Waivers

Tuition Waivers are administered by the Financial Aid Office. For all students, inquiries should be directed to the Financial Aid Office. All waivers are based on financial need as a criterion whenever possible, except for honor scholarships for National Merit Scholarship semifinalists, high school honor scholarships, and faculty and staff fee waivers. Waivers do not require repayment. Waivers are state funded and require Montana residency status with the exception of the faculty/staff fee waiver.

Honorably Discharged Veteran Waiver

- Download Wavier (http://admissions.gfcmsu.edu/documents/VeteransFeeWaiverApp.pdf)

Tuition is waived for certain honorably discharged veterans who served with the United States Armed Forces in specified time periods and are currently residents of the State of Montana according to the Board of Regents residency policy. A provision of this policy states that the fee waiver shall not apply to persons who qualify under federal laws granting educational benefits to veterans. Application forms are available from the Financial Aid Office. Recipients of this fee waiver are subject to satisfactory academic progress requirements. Fee waivers are available for War Orphans and dependents of prisoners of war. Direct inquiries to the Financial Aid Office.

Montana Senior Citizen Waiver

- Download Waiver

Tuition is waived for students classified as Montana residents for fee purposes at least 65 years of age at the time of registration. To apply, students must submit a copy of their driver's license or state ID card to the Financial Aid Office, along with the Senior Citizen Tuition Waiver application.

American Indian Waiver

- Download Waiver (http://admissions.gfcmsu.edu/documents/americanIndiantuitionwaiver.pdf)

Tuition is waived for students who submit documentation showing they are at least 1/4 American Indian or are an enrolled member of a state or federally recognized Indian tribe located within the State of Montana, complete an affidavit stating they have been bona fide residents of the State of Montana for at least one year prior to enrollment in the Montana University System, and demonstrate financial need by completing the FAFSA. Applicants for this tuition waiver must file a FAFSA, complete their financial aid file, and complete the tuition waiver application available in the Financial Aid Office. Recipients of this tuition waiver are subject to satisfactory academic progress requirements.

Surviving Dependents of Montana Firefighters/Peace Officers Waiver

Tuition is waived for the surviving spouse or child of any Montana firefighter or peace officer killed in the course and scope of employment. This waiver does not apply to any person eligible for educational benefits from any governmental or private benefits program that provides comparable benefits. To apply, please contact the Financial Aid Office. Recipients of this waiver are subject to satisfactory academic progress requirements.

Faculty and Staff Waiver

- Download Waiver

Tuition and some fees are waived for a maximum of 6 credits per term for permanent Montana University System employees who are employed at least ¾ time during the entire period of enrollment. Registration, building, program, required course fees, and other non-mandatory fees are not waived and remain the responsibility of the employee. Application forms are available from the Financial Aid Office.

Dependent Waiver

- Download Waiver

All employees who have been employed at least ¾ time for at least five years without a break in service are eligible for a dependent waiver benefit. The employee must remain employed for the entire time during which the tuition waiver is utilized. Eligible jointly employed spouses may utilize the dependent tuition waiver benefit for two children at one time, but any one child may not receive more than a 50% tuition waiver under the dependent tuition waiver policy. Application for the dependent tuition waiver is initiated by the employee or the employee's dependent. Applications not submitted in a timely manner for a dependent tuition waiver may be denied.

Employees are required to sign a statement verifying

1. that they are not utilizing the tuition waiver for themselves, and
2. the child utilizing the tuition waiver is claimed as a dependent for federal tax purposes, is unmarried and has not reached age 25 as of the first day of the semester for which the tuition waiver is granted; or
3. the employee is married to the spouse utilizing the tuition waiver. Documentation that a dependent has been claimed in the tax year the benefit is used may be required for audit purposes or in cases of suspected misuse. False certification of dependent eligibility for the tuition waiver is cause for discharge and the employee is required to repay the cost of the tuition waiver.

The dependent tuition waiver benefit is a 50% reduction in the cost of residential tuition. This benefit is not taxable. Registration fees, course fees, or other mandatory fees are not waived. There is no limitation on the number of credits that may be taken per semester under the tuition waiver. Additional information is available at the Financial Aid Office.

Department of Corrections Partial Tuition Waiver

Residents of a Montana youth correctional facility who have been recommended by the Montana Department of Corrections may receive a $500 tuition waiver per semester (maximum $1,000/year). Awards are limited to five new waivers each year and given on a first-come, first-served basis. Students must complete the waiver application form and attach a letter of recommendation from the Montana Department of Corrections. Students

must maintain satisfactory academic progress for financial aid purposes for continued eligibility. Failure to meet those requirements will result in permanent revocation of the waiver. Contact the Financial Aid Office to apply.

Veterans' Benefits

Students who are veterans of military services or active members of the guard or reserve may be eligible for Veterans' Educational Benefits. Application for benefits should be submitted to the regional Veterans Administration Office at least 30 days in advance of the start of the academic term. Dependents or spouses of veterans disabled or deceased as a result of a service-related injury may be eligible for dependents educational benefit. Other educational benefits are extended to veterans using vocational rehabilitation. Once enrolled, recipients must request that the Financial Aid Office verify their enrollment with the Veterans Administration to commence benefits.

Students using Veterans' Educational benefits at Great Falls College MSU must maintain a 2.0 cumulative GPA. If the student falls below a 2.0 cumulative GPA, he/she will have one semester to raise the GPA to 2.0. If the student is unable to do this, he/she will be placed on suspension and will have to sit out a term before utilizing the veterans' educational benefit again. Appeals may be granted for extenuating circumstances.

For additional information or to apply for Veterans' Educational Benefits, visit www.gibill.va.gov (http://www.gibill.va.gov) or contact the Financial Aid Office at 406.771.4334 or the Veterans' Administration at 1.888.GIBILL1.

Active members of the guard or reserve should contact their unit concerning eligibility for federal tuition assistance or Montana Guard scholarships.

Withdrawals/Changes in Enrollment

Students receiving financial aid are expected to complete a designated percentage of the credits for which they are funded. The Financial Aid Office must be notified by the student of any increase or decrease in number of credits. Students may be suspended from financial aid for not completing the designated percentage of credits.

Financial aid recipients who completely withdraw from the college may owe the Department of Education a prorated amount of aid received based on class days attended in the term. Students who owe repayment will be ineligible for further federal financial aid as long as a repayment is outstanding.

Students who do not officially withdraw but stop attending classes and receive failing grades will be considered unofficial withdrawals. The institution will determine the last date of attendance. Based on this date, students may owe a repayment of aid received.

Appeals regarding retroactive withdrawals and tuition refunds must be submitted within three years of the student's course enrollment. Any appeals filed beyond this three year period will not be considered.

Student Activities

There are lots of ways to get involved on campus for students looking to enhance their college experience. The Associated Students of GFC MSU (Student Government) is led by four officers each year (President, Vice President, Secretary, and Treasurer) who guide the Senate in planning activities for the campus, using student funds, and helping grow student leaders. The Beta Eta Omicron chapter of the Phi Theta Kappa National

Honor Society is focused on academic excellence, leadership development, and community service. A variety of other clubs include programs of study (such as Nursing Students, Respiratory Care Students, and others) and interest groups (such as a Christian Student Association, Native American Student Group, and STEM Club). Other campus activities are held throughout the year and are open to all students – examples include the annual Fall Kickoff, Martin Luther King, Jr. Day Observance, and Women's History Month Observance. For more information contact studentactivities@gfcmsu.edu .

Student Central

Student Central is a type of "One Stop Student Shop" for students at Great Falls College Montana State University. Located at the north end of campus, just inside the atrium entrance, students can have confidence that everything they need in terms of services, programs, and information will be right there. Student Central contains the following services and functions for the College's students:

- Admissions and Recruitment
- Financial Aid
- College Pathways Advisor
- Registrar/Records
- Student Accounts
- Student Activities
- Veterans Coordinator

Student Information

Change of Program

In order to change their academic program, a student must complete the Change of Program form with their Advisor who will return it to Student Central. Completion of this process ensures that the student is assigned an appropriate program advisor. The Change of Program form is available in the Advising and Career Center or online (http://records.gfcmsu.edu/documents/forms/Academic%20Change%20form_web_revised%2002092015.pdf).

Disability Services for Students

All students attending Great Falls College Montana State University are entitled to equal access to academic programs, services, student activities, and campus events. Students with disabilities have a right to reasonable accommodations in order to fully participate in the student experience. Students with disabilities are encouraged to advocate for themselves to the extent possible. Disability Services provides support and assistance in determining what accommodations are best suited to each individual.

Great Falls College MSU uses the definition of disability set forth by Section 504 of the Rehabilitation Act of 1973, which states that a disabled person is anyone who:

- Has a physical or mental impairment which substantially limits one or more major life activities;
- Has a record of such an impairment;
- Is regarded as having such an impairment.

Students needing accommodations must apply for services through Disability Services, located near the Academic Success Center, and be determined eligible by meeting all of the following criteria:

- Have a permanent or long-term medical or psychological condition which significantly impairs the student's ability to function in an academic setting;
- Provide Disability Services with current documentation of disability from a qualified professional; this documentation will be kept confidential in accordance with the Disability Services Confidentiality Policy;
- Be "otherwise qualified" for the chosen course of study and able to meet the behavioral standards set forth in the College's Student Conduct Code.

Unlike high school, educational accommodations at the postsecondary level are student initiated. Each student who chooses to seek accommodations must meet with the Disability Services Director. Together they will determine what accommodations to request based on the student's limitations and the demands of the course. The medical, psychiatric, and/or psychological documentation provided by students is kept in confidential files in Disability Services. A complete copy of the Eligibility Criteria and the Confidentiality Policy can be obtained from the Director or found online. Depending on the student, available accommodations may include, but are not limited to:

- Extended test time
- Distraction-reduced testing environment
- Various other test accommodations
- Adaptive computer equipment and software
- Notetakers
- Tutors
- Interpreter services
- Ergonomic equipment
- Preferential classroom seating
- Tape recording lectures
- Materials in alternate format

Students with disabilities are encouraged to contact Disability Services upon enrollment and should visit with the Director each semester to determine accommodation needs for each class.

Building accessibility includes designated parking, curb cuts, automatic doors at the north, south and east entrances, ramp and elevator access to the second floor, accessible restrooms, Braille signage, and ramp access to theatre-style classrooms.

For more information, please contact Disability Services (http://students.gfcmsu.edu/disabilityservices/) at (406) 771-4311 (voice) : Sorenson Video Relay: (406) 205-1079.

Equal Opportunity Policy

Great Falls College Montana State University is committed to the provision of equal opportunity for education, employment, and participation in all College programs and activities without regard to race, color, religion, national origin, creed, service in the uniformed services (as defined in state and federal law), veteran status, gender, age, political ideas, marital or family status, physical or mental disability, genetic information, gender identity, gender expression, or sexual orientation.

The College's Equal Opportunity Officers are the Executive Director of Human Resources and the Associate Dean of Student Services. 2100 16th Avenue South, Great Falls, MT 59405. Telephone: 406.771.4300.

http://www.gfcmsu.edu/about/policies/PDF/300/302_1.pdf

Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act of 1974 grants certain rights, privileges, and protections related to students' educational records maintained by the College. Students' educational records (with the exception of directory information) will not be released to third parties outside of the College, except with the written consent of the student. Students have the right to inspect their own educational records, except for those to which students have expressly waived this right (e.g. Career Services placement). Students have the right to request amendment of their records. If they are found to be inaccurate, misleading or otherwise in violation of the student's privacy or other rights the student may request that their records be corrected. Such requests should be made as soon as the student becomes aware of the inaccuracy or any other problem.

Any student may file a complaint with the U.S. Department of Education concerning any alleged failure on the part of the College to comply with the requirements of the Family Educational Rights and Privacy Act.

Directory Information: The Family Educational Rights and Privacy Act permits the release of information designated as directory information to third parties outside the College without the written consent of the student. Great Falls College Montana State University has designated the following items as Directory Information: student name, address, e-mail address, telephone number, major field of study, participation in officially recognized activities, dates of attendance, degrees and awards received. The College may disclose any of those items without prior written consent.

Currently registered students have the right to request that information designated as directory information be withheld from release by the College. Any student wishing to exercise this right must inform the Registrar in writing.

Any questions regarding educational records should be directed to the Registrar or the Chief Student Affairs Officer. A detailed guide of the Family Educational Rights and Privacy Act may be found on the College's FERPA website: http://www.gfcmsu.edu/about/ferpa/

Records of Deceased Students

Upon a student's death, education records are not protected under the Family Educational Rights and Privacy Act (FERPA). As such, the disposition of education records pertaining to a deceased student is not a FERPA issue but a matter of institutional policy. GFC MSU maintains full discretion in deciding whether, and under what conditions, education records of deceased students should be disclosed.

http://www.gfcmsu.edu/about/policies/PDF/300/306_4.pdf

Minor Children on Campus Policy

The primary mission of Great Falls College MSU is to educate students. To that end, GFC MSU has the responsibility to provide a place of instruction that is free from distractions and is conducive to learning. The presence of minor children is often a disruptive factor, not just because a child can be noisy or active, but because even inadvertently, attention is centered on the child rather than on the teaching and learning process. The presence of minor children on campus and in its facilities also raises safety and liability issues. Therefore, appropriate restrictions must be placed on bringing minor children to GFC MSU's campus, sites, and facilities.

- Great Falls College MSU Policy on Minor Children on Campus (http://www.gfcmsu.edu/about/policies/PDF/600/605_1.pdf)

Sexual Harrassment Policy

Title VII of the Civil Rights Act of 1964 prohibits discrimination on the basis of gender. Sexual harassment is a form of gender-based discrimination. Great Falls College Montana State University prohibits and will not tolerate sexual harassment on its premises, within any of its programs, services or other College-sponsored activities, or by anyone acting as an agent of the College.

Great Falls College Montana State University uses the definition of sexual harassment set forth by the U.S. Equal Employment Opportunity Commission which states:

> Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitutes sexual harassment when submission to or rejection of this conduct explicitly or implicitly affects an individual's employment, unreasonably interferes with an individual's work performance or creates an intimidating, hostile, or offensive work environment.

Title IX extends these protections to include students. Other consumers and members of the general public who come into contact with the College or its agents are covered by this policy as well.

Any employee who believes he or she is experiencing sexual harassment should immediately contact the College's Executive Director of Human Resources to discuss options for resolving the issue. Students should contact the Associate Dean of Student Services, and anyone else should contact the College's Dean. Individuals are generally encouraged to attempt to resolve the issue informally by discussing their concerns with the alleged harasser, his or her supervisor, or both. However, the College recognizes that sexual harassment is a sensitive and potentially volatile issue, and if it is not feasible for the harassed individual to follow this recommended procedure, the appropriate agent should be contacted initially to begin an investigation. All complaints will be handled with discretion, and information provided in the initial complaint and during the course of the investigation will remain as confidential as possible. The identity of both the complainant and the alleged harasser will be protected.

Any individual found to be guilty of violating the College's sexual harassment policy will be subject to discipline commensurate with the nature of the offense. Disciplinary action up to and including termination (or dismissal in the case of a student, termination of a contract in the case of a contractual relationship, or restricted access to the College in the case of a member of the general public) may be implemented.

Individuals who submit complaints and/or participate in the investigation process are protected from retaliation due to their participation. Anyone engaging in retaliatory behavior will be in violation of the College's sexual harassment policy, and therefore subject to appropriate disciplinary action as outlined above.

Great Falls College Montana State University is committed to providing and ensuring a safe, positive learning environment that is free from harassment. A complete version of this policy may be obtained from Human Resources, Student Central, or online in the Great Falls College MSU Policy on Discrimination, Harassment, and Sexual Misconduct (http://www.gfcmsu.edu/about/policies/PDF/300/301_1.pdf).

Testing Center

The Testing Center is located in room R274 and provides a variety of examination proctoring for Great Falls College MSU courses and programs including:

1. Fully online or hybrid/mixed-mode course exams (includes courses taught using D2L and MyMathLab).
2. Make-up exams for all courses, regardless of delivery.
3. Exams for students requiring extra time or a distraction-free environment (students must see the Disability Services Coordinator first).
4. Specialized exam administration for program entrance, college entrance exams (Accuplacer), or completion requirements.
5. PRAXIS for educators, CLEP to earn college credit, the GRE, PAN, ASE, Work Keys, Pearson and other professional certification exams.
6. Examination proctoring for non-Great Falls College MSU students.

Contact Information
etesting@gfcmsu.edu
406.268.3711

http://testing.gfcmsu.edu

Weaver Library

The Weaver Library is the persistent and vital thread supporting the information needs of the entire campus community. The Weaver Library is located just off the atrium next to the atrium Information Desk. The Weaver Library collection supports all curricular areas and also offers a variety of recreational resources. The collection includes print and full-text online books, audiobooks, journals, magazines, newspapers, videos, reference materials, and research databases.

Access to Library holdings is through the PRIMO Discovery Tool and databases via the Library's website. Most online resources can be accessed 24/7 from off-campus using the same credentials used to access D2L Brightspace (NetID/password). The Library provides computers for research and space to study, including several group study rooms. Also housed in the Library is the campus computer lab with the software needed for coursework. Laptops, digital camcorders and Ebook readers are available for checkout. The library provides all MSU students with a $15 printing credit each semester toward printing materials in the library.

The Library supports instruction and student learning by providing open access to information and knowledge. Library services include face-to-face and virtual research assistance, individual and group instruction, interlibrary loan, and course reserves. A knowledgeable staff is available to help patrons with information needs. For more information, call the Weaver Library at 406.771.4398 or visit the Library's website (http://library.gfcmsu.edu/).

Lifelong Learning

One of the College's core themes is Community Development and the Center for Lifelong Learning is focused on providing community enrichment and professional development to everyone in our region. We offer a wide range of classes in a variety of formats from one-day seminars to full semester classes. As part of the community, we find ways to partner with local organizations and businesses to offer courses to fit people's needs. All of the classes are taught by professionals and community members passionate about their subjects.

Lifelong Learning offers professional development and community enrichment classes. The professional development course are to help professionals fine tune their skills, learn new techniques, and provide professional certification. Our community enrichment courses are affordable, fast, fun, and stress free. The Center for Lifelong Learning partners with Ed2Go to offer online non-credit courses and certification programs.

Lifelong Learning offers mostly non-credit classes. However, several of these qualify for OPI renewal units for teachers in our area.

If you are interested in Lifelong Learning classes, please call 406.268.3734, email lifelonglearning@gfcmsu.edu or visit our website at www.gfcmsu.edu/lifelonglearning (http://www.gfcmsu.edu/lifelonglearning/)

094 Courses

Some courses are assigned a 094 number are non-credit professional and continuing education or community enrichment courses. The non-credit PCE courses are typically offered to meet the needs of professionals in need of skills upgrades and other professional certification needs (e.g. OPI Renewal Units for Montana K-12 Teacher Certification). These courses are transcribed as Continuing Education Units (CEUs) on the student's continuing education transcript and are eligible for Montana OPI Renewal Units.

194 Courses

Courses assigned a course number of 194 are considered credit-bearing professional and continuing education courses providing participants with the latest in technology, business, health and human development and other topics meeting current educational trends and demands. They are typically offered to provide condensed coursework to meet the needs of working students, fulfill some of the requirements of Certificates, offer a diversity of electives for Associate of Arts or Associate of Science degree seeking students, and fill certain professional certification needs (e.g. Montana K-12 Teacher Certification). These courses may be eligible for financial aid for students using them as electives in degree and certificate programs where authorized. Students should consult their advisors to identify whether 194 courses will apply toward their program requirements. 194 courses are transcribed on the student's undergraduate transcript.

The Center for Lifelong Learning's Mission

- Our mission: Helping the community explore new ways of engaging the world and enrichment throughout their whole lives.

Continuing Education Units (CEUs)

Continuing Education Units (CEUs) can be offered to the student upon successful completion of the course. CEUs are awarded based on national accreditation guidelines of 1 CEU = 10 contact hours. In order to receive CEUs, please see our process for awarding CEUs under our policies. In addition to CEUs, these courses are also eligible for Office of Public Instruction (OPI) Renewal Units. These are awarded on a 1 Renewal Unit = 1 contact hour formula and must be requested by the student.

For more information and updated class listings for Lifelong Learning, please visit: www.gfcmsu.edu/lifelonglearning (http://www.gfcmsu.edu/lifelonglearning/) or call 406.268.3734.

Academic Programs

The academic programs at Great Falls College MSU offer the following degrees. For specific program information, follow the links to the right in the navigation bar.

Certificate of Technical Studies (CTS)

An award for completion of a program designed for one to two semesters. It is awarded to students demonstrating mastery of skills and knowledge against specified performance standards in a specific area or discipline and may lead to a CAS or AAS degree.

Certificate of Applied Science (CAS)

The Certificate of Applied Science (CAS) recognizes a short program of study designed to prepare the student for entry-level employment in a specific technical field. The Certificate of Applied Science is comprised of 30 - 45 credits, with rare exceptions. Students should be able to complete the Certificate program in one calendar year or less if they are academically prepared in math and writing. The general education coursework in a Certificate of Applied Science often has an applied, rather than an academic, focus.

Associate of Applied Science (AAS)

The Associate of Applied Science (AAS) degree is awarded in specific technical career fields. This degree is designed to prepare students for immediate entry into employment but may be fully or partially transferable to programs at selected four-year institutions.

The Associate of Applied Science degrees must be comprised of at least 60 but no more than 72 credits. For students entering these degrees prepared for the math and writing required, the Associate of Applied Science degree requires at least two academic years to complete. A main difference between this degree and the Certificate of Applied Science is the additional general education coursework required.

Great Falls College MSU offers AAS degrees in both the Business, Trades and Technology and Health Science areas. Specific requirements for each program are listed in the program sections of this catalog.

Associate of Arts (AA)

The Associate of Arts degree is a general transfer degree indicating that the student has completed a course of study equivalent to the first two years of a bachelor's degree. This degree does not officially include a major or minor course of study. For example, a student who plans to emphasize history receives the Associate of Arts degree, not an Associate of Arts in History.

Associate of Science (AS)

The Associate of Science degree is a general transfer degree indicating that the student has completed a course of study equivalent to the first two years of a bachelor's degree. This degree does not officially include a major or minor course of study. For example, a student who plans to emphasize mathematics receives the Associate of Science degree, not an Associate of Science in Mathematics.

Baccalaureate requirements vary considerably among and within institutions. It is strongly recommended that students pursuing a general program of study for their Associate of Science or Associate of Art degrees carefully select courses that will meet specific institution program requirements for a baccalaureate degree. A current catalog of the selected institution should be consulted. Students should work closely with an academic advisor at the transfer institution.

Associate of Science in Nursing (ASN)

The Associate of Science in Nursing (ASN) is a nursing degree program. Associate degree programs in nursing offer liberal arts and science courses similar to what you would take within any associate degree program at a community college or junior college. Added to the associate degree foundation courses are nursing courses and clinical experiences in local hospitals and health care facilities.

Montana University System Core

The MUS Core is offered both online and on campus.

In our world of rapid economic, social, and technological change, students need a strong and broadly-based education. General education helps students achieve the intellectual integration and awareness they need to meet challenges in their personal, social, political, and professional lives. General education courses introduce great ideas and controversies in human thought and experience. A solid general education provides a strong foundation for the life-long learning that makes career goals attainable. The breadth, perspective, and rigor provided by the core curriculum helps students become educated people.

Great Falls College Montana State University's General Education Core reflects the Montana University System's General Education Core. As students work on the Montana University System General Education Core, they should attempt to select classes that are also required in their major. That efficient use of coursework could help students complete their degrees more quickly, since the classes could be used to satisfy both the requirements of the major and the requirements of the MUS General Education Core.

Upon completion of the 31 credits required in the core, students are eligible to receive a Certificate in General Studies from Great Falls College MSU. The Certificate recognizes the completion of the core and is approved by the Montana University System Board of Regents. Students may use the Certificate to demonstrate completion of the core when transferring within the MUS or as a milestone to earning an Associate of Arts or Associate of Science degree at Great Falls College MSU.

Outcomes

Graduates are prepared to:

Communication (Written and Oral)

Written Communication

- use writing as a means to engage in critical inquiry by exploring ideas, challenging assumptions, and reflecting on and applying the writing process;
- formulate and support assertions with evidence appropriate to the issues, positions taken, and audiences;
- use documentation appropriately and demonstrate an understanding of the logic of citation systems;
- give and receive feedback on written texts;
- read texts thoughtfully, analytically, and critically in preparation for writing tasks

Oral Communication

- use oral communication as a means to engage in critical inquiry by exploring ideas, challenging assumptions, and reflecting on and applying the oral communications process;
- demonstrate multiple flexible strategies for inventing, drafting, and editing oral presentations;
- deliver thoughtful oral presentations with clarity, accuracy, and fluency;
- listen actively in a variety of situations and speak effectively about their ideas;
- adapt content and mode of presentation to fit a given audience and medium;
- give and receive feedback on oral presentations

Mathematics

- apply the acquired skills to other courses;
- reason analytically and quantitatively;
- think critically and independently about mathematical situations;
- understand the quantitative aspects of current events;
- make informed decisions that involve interpreting quantitative information;
- make informed decisions about their personal and professional lives

Humanities/Fine Arts

Humanities

- explore the human search for meaning and value in one or more time period(s) and cultures;
- recognize, interpret, and respect concepts of values and beliefs in a global society;
- communicate, in writing and in speech, thoughtful and critical assessments of multiple value systems;
- construct and articulate a set of beliefs and values;
- utilize respectful inquiry to understand global concepts, values, and beliefs;
- incorporate humanities perspectives in other areas of study

Fine Arts

- demonstrate the processes and proficiencies involved with creating and/or interpreting creative works;
- reflect upon, analyze, and articulate their personal responses to artistic works and the processes involved in creating them;
- demonstrate an understanding and appreciation of artistic expressions in various past and present cultures;
- connect periods and expressions of art to changes in societies and cultures

Natural Science

- identify and solve problems using methods of the discipline;
- use logical skills to make judgments;
- demonstrate thinking, comprehension, and expression of subject matter;
- communicate effectively using scientific terminology;
- use quantitative skills to solve problems;
- integrate through analysis;
- demonstrate the relationship between actions and consequences;
- discuss the role of science in the development of modern technological civilization

Social Sciences/History

Social Sciences

- analyze how institutions and traditions develop, evolve, and shape the lives of individuals, social and cultural groups, societies, and nations;
- analyze human behavior, ideas, and social institutions for historical and cultural meaning and significance;
- gather information, analyze data, and draw conclusions from multiple hypotheses to understand human behavior;
- synthesize ideas and information with regard to historical causes, the course of events, and their consequences, separated by time and place;
- use factual and interpretive data to support hypotheses based upon appropriate inquiry methodology

History

- analyze historical phenomena in appropriate context;
- weigh and interpret the evidence available to them and present a narrative argument supported by historical evidence;
- recognize the distinction between primary and secondary sources, and understand how each are used to make historical claims;
- recognize and interpret multiple forms of evidence (visual, oral, statistical and material, and print);
- understand the historical construction of differences and similarities among peoples within and across groups, regions, and nations;
- interpret other societies in comparative context and one's own society in the context of other societies

Cultural Diversity

- demonstrate an awareness of the centrality of cultural diversity to their own and other human societies;
- demonstrate an awareness of the negative impacts upon cultural diversity of economic, social, and other forms of institutional and interpersonal discrimination;
- demonstrate competence and effectiveness in interacting with culturally diverse people by understanding cross- and inter-cultural interaction and communication;
- demonstrate the ability to advocate for non-discriminatory policies and behaviors on their own behalf and on behalf of others, including peers, clients, and colleagues

Cultural Heritage of American Indians

Courses include significant content related to the cultural heritage of American Indians.

Estimated Cost

Estimated Resident Program Cost *

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$91
Books	$1,676
Total	$5,215

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

As students work on the MUS General Education Core, they should attempt to elect classes that are required in their major. That efficient use of coursework could help students complete their degree more quickly, since the classes could be used to satisfy both the requirements of the major and the requirements of the MUS General Education Core.

Transfer students should consult with the intended receiving institution to determine whether or not additional core courses may be required to satisfy that institution's General Education Core.

Offered Online And On Campus

Montana University System Core Courses

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **,+	3	_____
M 121	College Algebra **,+	3	_____
M 140	College Math for Healthcare **,+	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
M 273	Multivariable Calculus *,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
BGEN 220	Business Ethics and Social Responsibility +	3	_____
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 110	Intro to Lit +	3	_____
LIT 270	Film and Literature **,+	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab *,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
BIOH 108	Basic Anatomy **,+	4	_____
CHMY 101	Discover Chemistry **,+	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
BGEN 105	Introduction to Business +	3	_____
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____
NASX 105	Introduction to Native American Studies ((N) Can only be counted for History OR Cultural Diversity) +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 105	Introduction to Native American Studies ((N) Can only be counted for History OR Cultural Diversity) +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement.+

Total Credits - 31

* Indicates prerequisite needed
** Placement in courses(s) is determined by placement assessment
+ A grade of C- or above is required for graduation

Associate of Arts

The Associate of Arts degree is offered both online and on campus.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employ-ability, the AA is designed for transfer-ability to a baccalaureate program.

Upon completion of the 31 credits required in the core, students are eligible to receive a Certificate in General Studies from Great Falls College MSU.

The Certificate recognizes the completion of the core and is approved by the Montana University System Board of Regents. Students may use the Certificate to demonstrate completion of the core when transferring within the MUS or as a milestone to earning an Associate of Arts or Associate of Science degree at Great Falls College MSU.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			
Total Credits		60	_____

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.

- Select and use the appropriate technologies for personal, academic, or career tasks.

- Think critically in evaluating information, solving problems, and decision-making.

- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many Students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Students who plan to transfer should consult with the intended receiving institution to determine whether or not additional core courses may be required to satisfy the institution's General Education Core.

Offered Online and On Campus

II. Montana University System Core Courses - 31 semester hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **,+	3	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
BGEN 220	Business Ethics and Social Responsibility +	3	_____
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 110	Intro to Lit +	3	_____
LIT 270	Film and Literature **,+	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab *,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
BIOH 108	Basic Anatomy **,+	4	_____
CHMY 101	Discover Chemistry **,+	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
BGEN 105	Introduction to Business +	3	_____
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____
Can only be counted for History OR Cultural Diversity:			
NASX 105	Introduction to Native American Studies (N) +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____
Can only be counted for History OR Cultural Diversity:			
NASX 105	Introduction to Native American Studies (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 credits

Course	Title	Credits	Grade/Sem
Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in arts, humanities, and social sciences. +			
(ACTG) Accounting			
(ARTH) (ARTZ) Art			
(ANTY) Anthropology			
(BGEN) Business General			
(BMGT) Business Management			
(BMKT) Business Marketing			
(COMX) Communications			
(ECNS) Economics			
(CJUS) Criminal Justice			
(CRWR) Creative Writing			
(EDU 221 only) Educational Psychology			
(HSTA) (HSTR) History			
(LSH) (WGSS) Humanities			
(LIT) Literature			
(MUSI) Music			
(NASX) Native American Studies			
(PHL) Philosophy			
(PSCI) Political Science			
(PSYX) Psychology			
(SIGN) American Sign Languages			
(SOCI) Sociology			
(SPNS) Spanish			
(WRIT) Writing			
Courses numbered 194 will not be applied to the concentration area.			

V. Electives - 17 credits

Course	Title	Credits	Grade/Sem
Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. ***			
No more than 5 credits of courses numbered 194 may be applied toward the Degree.			

Total Program Credits - 60

+   A grade of C- or above is required for graduation.

*   Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

*** Students may not choose or may not count the following courses: COMX 102, WRIT 104, MATH 100, MATH 101, MATH 103, MATH 104, MATH 108, M 108, M 111, M 191A, M 191B, ENGL 118, ENGL 119, ENGL 120

Associate of Science

The Associate of Science degree is offered both online and on campus.

The Associate of Science (AS) Degree includes education in specific knowledge areas, most typically in math and natural sciences. Focusing on integration of information while increasing a student's employability, the AS is designed for transferability to a baccalaureate program.

Upon completion of the 31 credits required in the core, students are eligible to receive a Certificate in General Studies from Great Falls College MSU. The Certificate recognizes the completion of the core and is approved by the Montana University System Board of Regents. Students may use the Certificate to demonstrate completion of the core when transferring within the MUS or as a milestone to earning an Associate of Arts or Associate of Science degree at Great Falls College MSU.

To receive the AS degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Math and Science coursework		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			
Total Credits		60	_____

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically in evaluating information, solving problems and decision-making.
- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost *

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,072
Total	$9,042

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Students should consult with the intended receiving institution to determine whether or not additional core courses may be required to satisfy that institution's General Education Core.

Offered Online and On Campus

II. Montana University System Core Courses- 31 Semester Hours

Communication - 6 Credits (3 written, 3 verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 121	College Algebra **,+	3	_____
M 140	College Math for Healthcare **, +	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
M 273	Multivariable Calculus *,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
BGEN 220	Business Ethics and Social Responsibility +	3	_____
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 110	Intro to Lit +	3	_____
LIT 270	Film and Literature **,+	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab *,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
BIOH 108	Basic Anatomy **,+	4	_____
CHMY 101	Discover Chemistry **,+	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
BGEN 105	Introduction to Business +	3	_____
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____
Can only be counted for History OR Cultural Diversity:			
NASX 105	Introduction to Native American Studies (N) +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____
Can only be counted for History OR Cultural Diversity:			
NASX 105	Introduction to Native American Studies (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an 'N' behind the course title will fulfill the cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 Credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Math and Science - 9 Credits

Course	Title	Credits	Grade/Sem
Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of electives: +			
(BIOB) (BIOH) (BIOM) Biology			
(CAPP) Computer Applications			
(CHMY) Chemistry			
(CSCI) Computer Science/Programming			
(GEO) Geology			
(ITS) Information Technology Systems			
(M) Math **,***			
(PHSX) Physics			
(PHYS) Physical Science			
(STAT) Statistics			

V. Electives - 17 Credits

Course	Title	Credits	Grade/Sem
Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. ***			
No more than 5 credits of courses numbered 194 may be applied toward the Degree.			

Total Program Credits - 60

+ A grade of C- or above is required for graduation.

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

*** Students may not choose or may not count the following courses: MATH 100, MATH 101, MATH 103, MATH 104, MATH 108, M 108, M 111, M 120, M 191B, ENGL 118, ENGL 119, ENGL 120

Accounting

Associate of Applied Science Degree

Program Director: Kerry Dolan

This program is offered completely on-line - discuss options with your advisor.

Upon completion of the Accounting Degree program, students will be prepared for employment in general accounting occupations. They will be prepared to work in public, private, or governmental agencies as accounting clerks, accounting technicians, bookkeepers, accounting support personnel, or payroll assistants.

Outcomes

Graduates are prepared to:

- Prepare and interpret financial records for a business while applying generally accepted accounting principles and industry standards.
- Identify and explain common internal controls necessary in business organizations.
- Use computerized accounting software.

- Communicate professionally, both orally and in writing.
- Compute payrolls and prepare basic federal and state payroll tax forms.
- Prepare basic income tax returns for individuals and businesses.
- Analyze the legal, ethical, and practical implications of business decisions.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,835
Application Fee	$30
Books/Supplies	$3,165
Total	$10,030

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ACTG 101	Accounting Procedures I **,+	3	_____
BGEN 105	Introduction to Business +	3	_____
CAPP 131	Basic MS Office +	3	_____
Select one of the following:			
M 105	Contemporary Mathematics **,+	3	_____
M 121	College Algebra **,+	3	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
	Credits	15	
Spring			
ACTG 102	Accounting Procedures II *,+	3	_____
ACTG 180	Payroll Accounting *,+	3	_____
CAPP 156	MS Excel *,+	3	_____
Electives		6	
	Credits	15	
Second Year			
Fall			
ACTG 201	Principles of Fin Acct *,+	3	_____
ACTG 211	Income Tax Fundamentals *,+	3	_____
BGEN 235	Business Law *,+	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
Electives		3	
	Credits	15	
Spring			
ACTG 202	Principles of Mang Acct *,+	3	_____
ACTG 205	Computerized Accounting *,+	3	_____
ACTG 215	Foundations of Government & Not for Profit Accounting *,+	3	_____
WRIT 220	Business & Prof Writing *,+	3	_____
Electives		3	
	Credits	15	
	Total Credits	60	

Course	Title	Credits	Grade/Sem
Suggested Electives			
ACTG 291	Special Topics: Accounting *	1-3	_____
ACTG 298	Internship *	1-6	_____
BGEN 220	Business Ethics and Social Responsibility	3	_____
CAPP 158	MS Access *	3	_____
CAPP 266	Advanced MS Excel Applications *	3	_____
CSCI 100	Intro to Programming *	3	_____
ECNS 201	Principles of Microeconomics	3	_____
ECNS 202	Principles of Macroeconomics	3	_____
STAT 216	Introduction to Statistics **	4	_____

OR other courses with advisor approval

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of C- or above is required for graduation.

Business Administration - Entrepreneurship

Associate of Applied Science Degree

NOTE: This program is in moratorium and will not be accepting new students.

The Business Administration – Entrepreneurship program is designed to prepare students for employment in management positions in small business enterprises or to create and operate their own small business enterprises.

Outcomes

Graduates are prepared to:

- Utilize mathematical concepts and theories to analyze the viability of a business and to use those concepts and theories in the decision making process.
- Develop an understanding of societies and cultures and use that understanding to implement business practices reflecting the diversity of customers and employers.
- Incorporate social science theories and constructs from the fields of psychology and sociology into the application of management theories.
- Analyze the legal requirements and ethical implications of business decisions and how such decisions affect the business, community and society.
- Utilize computer hardware and software to effectively manage information.
- Analyze the feasibility of a business opportunity through development of a business plan.
- Utilize oral, written and listening skills to demonstrate an understanding of business practices and theories and effectively interact with others.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,380
Application Fee	$30
Books/Supplies	$4,073
Total	$10,483

*   **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ACTG 101	Accounting Procedures I **,+	3	_____
BGEN 105	Introduction to Business +	3	_____
CAPP 131	Basic MS Office +	3	_____
WRIT 101	College Writing I **,+	3	_____
	Credits	12	
Spring			
ACTG 102	Accounting Procedures II *,+	3	_____
ACTG 180	Payroll Accounting *,+	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
	Credits	12	
Second Year			
Fall			
ACTG 201	Principles of Fin Acct *,+	3	_____
CAPP 156	MS Excel *,+	3	_____
Select one of the following:			
M 105	Contemporary Mathematics **,+	3	_____
M 121	College Algebra **,+	3	_____
	Credits	9	
Spring			
ACTG 202	Principles of Mang Acct *,+	3	_____
BGEN 235	Business Law *,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
	Credits	9	
	Total Credits	42	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of C- or above is required for graduation.

Business Administration - Management

Associate of Applied Science Degree

NOTE: This program is in moratorium and will not be accepting new students.

This program is designed to meet the diverse needs of 21st century managers by providing an in depth analysis of interrelated and multidisciplinary management constructs. It focuses on the development of organizational objectives, implementation of strategic initiatives, budget planning and financial analysis, delegation and empowerment, relationship management, employee supervision, and performance evaluations. It includes development of "soft skills" such as business etiquette, emotional intelligence, social capital, and civic duties.

Outcomes

Graduates are prepared to:

- Utilize oral, written, and listening skills to demonstrate an understanding of business practices and theories and effectively interact with others.
- Utilize mathematical concepts and theories to analyze the viability of a business and use those concepts and theories in the decision-making process.
- Incorporate social science theories and constructs from the fields of psychology and sociology into the application of management theories.
- Develop an understanding of societies and cultures and use that understanding to implement business practices reflecting the diversity of customers, employees, and employers.
- Analyze the legal requirements and ethical implications of business decisions and how such decisions affect the business, community, and society.
- Utilize computer hardware and software to effectively manage information.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,380
Application Fee	$30
Books/Supplies	$4,073
Total	$10,483

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ACTG 101	Accounting Procedures I **,+	3	_____
BGEN 105	Introduction to Business +	3	_____
CAPP 131	Basic MS Office +	3	_____
WRIT 101	College Writing I **,+	3	_____
	Credits	12	
Spring			
ACTG 102	Accounting Procedures II *,+	3	_____
ACTG 180	Payroll Accounting *,+	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
	Credits	12	
Second Year			
Fall			
ACTG 201	Principles of Fin Acct *,+	3	_____
CAPP 156	MS Excel **,+	3	_____
Select one of the following:			
M 105	Contemporary Mathematics **,+	3	_____
M 121	College Algebra **,+	3	_____
	Credits	9	
Spring			
ACTG 202	Principles of Mang Acct *,+	3	_____
BGEN 235	Business Law *,+	3	_____
CAPP 154	MS Word *,+	3	_____
WRIT 122	Intro to Business Writing **, +	3	_____
	Credits	12	
	Total Credits	45	

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

\+ A grade of C- or above is required for graduation.

Computer Assistant

Certificate of Applied Science Degree

Program Director: Steven Robinett

NOTE: This program is in moratorium and will not be accepting new students.

The Computer Assistant program prepares individuals for operation of software programs and a basic knowledge of managing data and files. Coursework is designed to provide a solid foundation for microcomputer operation and develop essential business and computer skills.

Outcomes

Graduates are prepared to:

- Create, manage, and modify databases and attain the Microsoft Certified Application Specialist – Access.
- Create, manage, and modify electronic spreadsheets and attain the Microsoft Certified Application Specialist – Excel.
- Create, manage, and modify word processing documents and attain the Microsoft Certified Application Specialist – Word.
- Create effective web pages that include links, graphics, sound, tables, forms, and style sheets using common editors.
- Troubleshoot and repair microcomputers and attain the CompTIA A+ certification.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$35
Books/Supplies	$1,175
Total	$4,658

*   **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
COMX 115	Intro to Interpersonal Communc +	3	_____
CSCI 105	Computer Fluency +	3	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
Select one of the following:			
M 095	Intermediate Algebra **,+	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
	Credits	9	
Spring			
CAPP 154	MS Word *,+	3	_____
CAPP 156	MS Excel *,+	3	_____
CAPP 158	MS Access *,+	3	_____
ITS 280	Computer Repair & Maintenance *,+	4	_____
	Credits	13	
	Total Credits	22	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of C- or above is required for graduation.

Computer Network Infrastructure

Certificate of Applied Science Degree

Program Director: Steven Robinett

NOTE: This program is in moratorium and will not be accepting new students.

Outcomes

Graduates are prepared to:

- Demonstrate an entry-level understanding of network infrastructure cabling.
- Install and basically configure network routers and switches.
- Pass the Cisco Certified Network Associate industry standard certification exam with at least an 80%.
- Pass the CompTIA A+ industry standard certification exam battery with at least an 80%.
- Obtain and keep an entry-level computer networking professional position in the workforce.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$210
Books/Supplies	$1,147
Total	$4,805

*   **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CSCI 105	Computer Fluency +	3	_____
ITS 125	Fund of Voice & Data Cabling +	3	_____
NTS 104	CCNA 1: Intro to Networks *,+	3	_____
NTS 105	CCNA 2: Routing & Switching *,+	3	_____
Select one of the following:			
M 095	Intermediate Algebra **,+	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
	Credits	15-16	
Spring			
COMX 115	Intro to Interpersonal Communc +	3	_____
NTS 204	CCNA 3: Scaling Networks *,+	3	_____
NTS 205	CCNA 4: Connecting Networks *,+	3	_____
ITS 280	Computer Repair & Maintenance *,+	4	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
	Credits	16	
	Total Credits	31-32	

*   Indicates prerequisite needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Computer Server Administration

Certificate of Applied Science Degree

Program Director: Steven Robinett

NOTE: This program is in moratorium and will not be accepting new students.

Gainful Employment Programs Information (http://www.gfcmsu.edu/webs/gepi/compservadmin.html)

The Computer Server Administration program prepares individuals for employment in the computer networking field, specifically focusing on server management, maintenance, and administration. Students in this program gain hands-on experience with computer hardware, software, and networks. Upon successful completion of the program, the student will have the needed skills to sit for the CompTIA Network+, Linux+ and Microsoft MCSA/MCSE certifications.

Outcomes

Graduates are prepared to:

- Demonstrate an advanced level of understanding of Microsoft 2003 server configuration.
- Demonstrate a basic understanding of network infrastructure design and configuration.
- Demonstrate a basic understanding of the Linux server operating system.
- Pass the MCSA / MCSE industry standard certification exam battery with at least an 70%.
- Obtain and keep a computer server professional position within the workforce.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$70
Books/Supplies	$1,416
Total	$4,934

*   **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number

of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CSCI 105	Computer Fluency +	3	_____
NTS 104	CCNA 1: Intro to Networks *,+	3	_____
NTS 105	CCNA 2: Routing & Switching *,+	3	_____
ITS 215	Network OS -Dir /Infrastructre *,+	4	_____
Select one of the following:			
M 095	Intermediate Algebra **,+	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
	Credits	16-17	
Spring			
COMX 115	Intro to Interpersonal Communc +	3	_____
ITS 210	Network OS - Desktop *,+	3	_____
ITS 217	Network OS - Server Admin/Apps *,+	4	_____
ITS 224	Introduction To Linux *,+	4	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
	Credits	17	
	Total Credits	33-34	

*   Indicates prerequisite needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

CIT - Microcomputer Support

Associate of Applied Science Degree

Program Director: Steven Robinett

Upon completion of the Microcomputer Support Degree, students will be able to maintain personal computers, repair and troubleshoot common hardware problems, and use and assist end-users in using common software applications.

Outcomes

Graduates are prepared to:

- Create, manage, and modify databases as preparation for the examination to attain the Microsoft Certified Application Specialist – Access.
- Create, manage, and modify electronic spreadsheets as preparation for the examination to attain the Microsoft Certified Application Specialist – Excel.
- Create, manage, and modify word processing documents as preparation for the examination to attain the Microsoft Certified Application Specialist – Word.
- Create, modify, and troubleshoot computer programs using Java to develop computer programming skills.

- Create effective web pages that include links, graphics, sound, tables, forms, and style sheets using common editors.
- Implement, administer, and troubleshoot computer systems that incorporate Microsoft Windows 7 as preparation for the examination to attain the Windows 7 Configuration Microsoft Certified Technology Specialist 70-620.
- Install, configure, operate, and troubleshoot medium-sized router and switched networks as preparation for the CCNA (Cisco Certified Network Associate) certification.
- Troubleshoot and repair microcomputers as preparation for the examination to attain the CompTIA A+ certification.
- Train and support microcomputer end-users to include developing and delivering training modules and developing strategies for providing on-going technical support.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$175
Books/Supplies	$1,751
Total	$8,792

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number

of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CSCI 105	Computer Fluency +	3	_____
M 105	Contemporary Mathematics **,+	3	_____
NTS 104	CCNA 1: Intro to Networks *,+	3	_____
NTS 105	CCNA 2: Routing & Switching *,+	3	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
	Credits	15	
Spring			
CAPP 158	MS Access *,+	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
ITS 210	Network OS - Desktop *,+	3	_____
NTS 204	CCNA 3: Scaling Networks *,+	3	_____
NTS 205	CCNA 4: Connecting Networks *,+	3	_____
	Credits	15	
Second Year			
Fall			
BGEN 105	Introduction to Business +	3	_____
CAPP 154	MS Word *,+	3	_____
CSCI 111	Programming with Java I *,+	3	_____
CSCI 181	Web Design and Programming +	4	_____
Technical Electives ***		3	
	Credits	16	
Spring			
CAPP 156	MS Excel *,+	3	_____
ITS 224	Introduction To Linux *,+	4	_____
ITS 280	Computer Repair & Maintenance *,+	4	_____
Select one of the following:			
ITS 298	Internship *,+	3	_____
ITS 299	Capstone *,+	3	_____
	Credits	14	
	Total Credits	60	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

*** Technical electives must be approved by program director.

+   A grade of C- or above is required for graduation.

CIT - Network Support and Security

Associate of Applied Science Degree

Program Director: Steven Robinett

The Computer Information Technology (CIT) Program prepares individuals to assume a role in computer support with skills and responsibilities in user support, hardware and software troubleshooting, basic system maintenance, and cybersecurity.

The Network Support & Security Degree prepares students for a career in supporting Local Area Networks (LAN) and Wide Area Networks (WAN) with a focus on the skills required to understand and manage the operation of a small and large computer network. The students will learn valuable technical skills to identify the security needs of an organization as well as be able to implement the appropriate protection and security of the system.

Upon completion of the Network Support & Security Degree, students will be able to successfully design, implement, manage and maintain effective network infrastructures; analyze data to determine security threats; and identify and prevent data threats and privacy invasion for both home and corporate clients as an entry level network technician/system administrator/ system analyst/security analyst.

Outcomes

Graduates are prepared to:

- Utilize TCP/IP applications to prove their understanding of networking protocols used to control modern networking infrastructures.
- Develop an in-depth understanding of network security principles as well as the tools and configurations available within a network.
- Master the concepts of the theoretical OSI networking model.
- Secure network assets by exploring the mechanisms of ethical hacking and network defense.
- Create, secure, maintain, and troubleshoot both wired and wireless network infrastructures and infrastructure devices.
- Employ and master the skills needed to create, secure and maintain server based networks using both Microsoft Windows and open source Linux server systems.
- Develop and implement a logical troubleshooting, security, and maintenance system for Personal Computing systems.
- Prepare for networking support industry standard certifications such as: CCNA, CCNP, MCSA CompTIA Network+, CompTIA PenTest+, and CCNA Security

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$245
Books/Supplies	$1,807
Total	$8,917

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number

of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CSCI 105	Computer Fluency +	3	_____
ITS 125	Fund of Voice & Data Cabling +	3	_____
M 105	Contemporary Mathematics **,+	3	_____
NTS 104	CCNA 1: Intro to Networks *,+	3	_____
NTS 105	CCNA 2: Routing & Switching *,+	3	_____
	Credits	15	
Spring			
ITS 210	Network OS - Desktop *,+	3	_____
NTS 204	CCNA 3: Scaling Networks *,+	3	_____
NTS 205	CCNA 4: Connecting Networks *,+	3	_____
ITS 280	Computer Repair & Maintenance *,+	4	_____
Select one of the following			
WRIT 101	College Writing I **,+	3	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
	Credits	16	
Second Year			
Fall			
COMX 115	Intro to Interpersonal Communc +	3	_____
ITS 215	Network OS -Dir /Infrastructre *,+	4	_____
ITS 256	CCNA Security *, +	3	_____
ITS 260	CCNP: Routing (equiv to 362) *,+	4	_____
Technical Electives ***		3-4	
	Credits	17-18	
Spring			
ITS 224	Introduction To Linux *, +	4	_____
ITS 264	CCNP: Switching (equiv to 364) *,+	4	_____
ITS 274	Ethical Hacking and Network Defense *, +	3	_____
Select one of the following:			
ITS 298	Internship *,+	3	_____
ITS 299	Capstone *,+	3	_____
	Credits	14	
	Total Credits	62-63	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

*** Technical electives must be approved by program director.

\+   A grade of C- or above is required for graduation.

Computer Programming

Overview

Associate of Applied Science Degree

Program Director: Steven Robinett

This degree prepares students for employment as a computer programmer; developing web, desktop and enterprise applications.

Outcomes

Graduates are prepared to:

- Understand the fundamentals of computer programming and data structures.
- Understand the languages for web and enterprise applications such as Java, Python, PHP, and JavaScript.
- Understand data modeling, database design, and structured query language (SQL).
- Have proficiency in web server administration and application development environments.
- Understand the software life-cycle, classical and current methodologies and best practices.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,835
Application Fee	$30
Books/Supplies	$1,869
Total	$8,735

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number

of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CSCI 100	Intro to Programming *,+	3	_____
CSCI 105	Computer Fluency +	3	_____
CSCI 181	Web Design and Programming +	4	_____
M 121	College Algebra **,+	3	_____
One of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
	Credits	16	
Spring			
CAPP 156	MS Excel *,+	3	_____
BGEN 105	Introduction to Business +	3	_____
CSCI 111	Programming with Java I *,+	3	_____
CSCI 240	Databases and SQL *,+	3	_____
ITS 210	Network OS - Desktop *,+	3	_____
	Credits	15	
Second Year			
Fall			
COMX 115	Intro to Interpersonal Communc +	3	_____
CSCI 132	Basic Data Structures and Algorithms *,+	4	_____
CSCI 211	Client Side Programming *,+	3	_____
STAT 216	Introduction to Statistics **,+	4	_____
	Credits	14	
Spring			
CSCI 213	Web Programming Techniques *,+	3	_____
CSCI 223	Software Development *,+	3	_____
CSCI 232	Data Structures and Algorithms *,+	3	_____
ITS 224	Introduction To Linux *,+	4	_____
Select one of the following:			
CSCI 298	Internship *,+	3	_____
CSCI 299	Programming Capstone *,+	3	_____
	Credits	16	
	Total Credits	61	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Construction Technology - Carpentry

Certificate of Applied Science Degree

NOTE: This program is in moratorium and will not be accepting new students.

The Carpentry Program provides the opportunity to learn valuable skills in the construction trades. These skills prepare the student for an entry-level job in the construction trade, giving them an advantage over unskilled labor. Students learn in three different environments: the classroom, where information is conveyed; a lab environment, where skills are practiced; and on "real world" projects, which include a site-built residential home. Students are evaluated by written test, performance test, and demonstration of employability skills. The carpentry cohort learns specific carpentry skills in a module format.

To be accepted into this program, students must have a qualifying placement assessment score or have completed M 065 within the last 3 years.

Students entering the program should have good manual dexterity skills, be in good physical condition, like to work outdoors in changing weather conditions, and be comfortable working at varying heights. Students are also required to provide their own basic hand tools and framing style tool belts. A "kit" with all of these items is available to purchase in the bookstore at the beginning of the fall semester. A list of these tools can be provided by the Program Director upon request.

Outcomes

Graduates are prepared to:

- Communicate effectively in a construction site environment.
- Demonstrate a working knowledge of construction materials.
- Demonstrate a working knowledge of construction site safety and hand and power tools safety that is reinforced with an OSHA 10 Certification.
- Perform entry-level carpentry skills involved in rough framing. Rough framing includes floors, walls, trusses, vaulted roofs, and dormers.
- Perform entry-level carpentry skills involved in exterior finishes.
- Perform entry-level carpentry skills involved in the installation of insulation and moisture barriers.
- Perform entry-level carpentry skills involved in metal stud construction.
- Perform entry-level carpentry skills involved in basic stair construction.
- Perform entry-level carpentry skills involved in the installation of exterior doors and windows.
- Demonstrate a basic knowledge in concrete and site layout protocol.
- Estimate materials necessary in the completion of the phases of construction being taught.
- Perform entry-level interior finish carpentry skills, which include cabinet installation, counter top installation, molding applications, interior door installation, and simple cabinet construction.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$3,190
Application Fee	$30
Program Fee	$400
Book/Supplies	$416
Total	$4,036

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CSTN 110	+	12	_____
M 191A	Special Topics: Math for Carp **, +	3	_____
	Credits	15	
Spring			
CSTN 210	*,+		_____
COMX 102	Interprsnl Skills in Workplace +	1	_____
WRIT 104	Workplace Communications +	2	_____
	Credits	3	
	Total Credits	18	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Cybersecurity CTS

Overview

Certificate of Technical Studies

Program Director: Steven Robinett

This program is offered completely on-line - discuss options with your advisor.

Program Application (http://www.gfcmsu.edu/webs/cybersecurity/documents/Cybersecurity_CTS_Application_Packet.pdf)

The Cybersecurity Certificate Degree will prepare students with additional, career tools to continue on the path to a technician/system analyst with a focus on the skills required to understand and conceptualize, design, procure, and/or build secure information technology (IT) systems.

Upon completion of the Cybersecurity Certificate Degree, students will be able to successfully provide the support, administration, and maintenance necessary to ensure effective and efficient information technology (IT) system performance and security as an entry level or higher systems technician/system analyst.

Outcomes

Graduates are prepared to:

- Conceptualize, design, procure, and/or builds secure information technology (IT) systems, with responsibility for aspects of system and/or network development.
- Provides the support, administration, and maintenance necessary to ensure effective and efficient information technology (IT) system performance and security.
- Provides leadership, management, direction, or development and advocacy so an organization may effectively conduct cybersecurity work.
- Identifies, analyzes, and mitigate threats to internal information technology (IT) systems and/or networks.
- Performs highly-specialized review and evaluation of incoming cybersecurity information to determine its usefulness for intelligence.
- Provides specialized denial and deception operations and collection of cybersecurity information that may be used to develop intelligence.
- Investigates cybersecurity events or crimes related to information technology (IT) systems, networks, and digital evidence.
- **Outcomes are based on the National Institute for Cybersecurity Education (NICE) Outcomes

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$2844
Application Fee	$30
Books/ Supplies	$1000
Total	$2874

*   Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the Health Insurance website and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.

Program Requirements

PREREQUISITES:

- All applicants must have already applied to and been accepted as students at GFC MSU **THEN**
- A completed Application Packet must be included by all students entering the program **AND**
- Fit **one** of the bulleted intake criteria listed below:

Cybersecurity CTS Intake Criteria

- One of the following degrees within the last 8 years: associates or bachelor's degree in Network Support and Security, Programming, Microcomputer Support or similarly related degree in Information Technology/Information Systems. Provide Transcript(s).
- Currently enrolled in a two- or four- year degree at least sophomore level in Network Support and Security, Programming, Microcomputer Support or similarly related degree in Information Technology/Information Systems. Provide most recent transcript.

- Related work experience with consent of the program director. Provide proof of relevant work experience in the form of resume and a reference questionnaire from at least two work-related individuals, one being a direct supervisor. Industry certifications such as A+, Microsoft Servers, Net+, Security+, or others can be used in place of a degree when combined with relevant work experience.
- For individuals without these qualifications, the list of pre-requisite courses are:

Course	Title	Credits	Grade/Sem
CSCI 105	Computer Fluency	3	_____
ITS 210	Network OS - Desktop	3	_____
ITS 215	Network OS -Dir /Infrastructre	4	_____
ITS 224	Introduction To Linux	4	_____
ITS 280	Computer Repair & Maintenance	4	_____

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ITS 164	Networking Fundamentals +	3	_____
ITS 245	Exploring Computer Forensics +	3	_____
ITS 271	Securing Desktop/Mobile Device *,+	4	_____
	Credits	10	
Spring			
ITS 218	Network Security *,+	3	_____
ITS 222	Enterprise Security +	3	_____
ITS 274	Ethical Hacking and Network Defense *,+	3	_____
ITS 289	Professional Certification +	1	_____
	Credits	10	
	Total Credits	20	

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

\+ A grade of C- or above is required for graduation.

Cybersecurity AAS

Overview

Associate of Applied Science Degree

Program Director: Steven Robinett

The Cybersecurity Degree prepares students for a career as a system technician/system analyst with a focus on the skills required to understand and conceptualize, design, procure, and/or build secure information technology (IT) systems.

Upon completion of the Cybersecurity Degree, students will be able to successfully provide the support, administration, and maintenance necessary to ensure effective and efficient information technology (IT) system performance and security as an entry level or higher systems technician/system analyst.

Outcomes

Graduates are prepared to:

- Conceptualize, design, procure, and/or builds secure information technology (IT) systems, with responsibility for aspects of system and/or network development.
- Provides the support, administration, and maintenance necessary to ensure effective and efficient information technology (IT) system performance and security.
- Provides leadership, management, direction, or development and advocacy so an organization may effectively conduct cybersecurity work.
- Identifies, analyzes, and mitigate threats to internal information technology (IT) systems and/or networks.
- Performs highly-specialized review and evaluation of incoming cybersecurity information to determine its usefulness for intelligence.
- Provides specialized denial and deception operations and collection of cybersecurity information that may be used to develop intelligence.
- Investigates cybersecurity events or crimes related to information technology (IT) systems, networks, and digital evidence.

- **Outcomes are based on the National Institute for Cybersecurity Education (NICE) Outcomes

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6835
Application Fee	$30
Books/ Supplies	$1011
Total	$7876

* Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the Health Insurance website and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number

of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
COMX 115	Intro to Interpersonal Communc +	3	_____
CSCI 105	Computer Fluency +	3	_____
ITS 164	Networking Fundamentals +	3	_____
M 121	College Algebra **,+	3	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
	Credits	15	
Spring			
BGEN 220	Business Ethics and Social Responsibility +	3	_____
ITS 210	Network OS - Desktop *,+	3	_____
ITS 218	Network Security *,+	3	_____
ITS 224	Introduction To Linux *,+	4	_____
ITS 280	Computer Repair & Maintenance *,+	4	_____
	Credits	17	
Second Year			
Fall			
ITS 215	Network OS -Dir /Infrastructre *,+	4	_____
ITS 245	Exploring Computer Forensics +	3	_____
ITS 271	Securing Desktop/Mobile Device *,+	4	_____
ITS 275	Border/Perimeter Network Security *, +	4	_____
	Credits	15	
Spring			
ITS 222	Enterprise Security +	3	_____
ITS 274	Ethical Hacking and Network Defense *,+	3	_____
ITS 277	Software Assurance and File System Internals *,+	4	_____
ITS 289	Professional Certification (Comp TIA A+) +	1	_____
ITS 299	Capstone *,+	3	_____
Technical Electives***		3	
	Credits	17	
	Total Credits	64	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

***   Technical Electives must be approved by program director.

\+   A grade of C- or above is required for graduation.

Dental Assistant

Certificate of Applied Science Degree

Program Director: Robin Williams

A hybrid option is available for this program. Please contact the program director for more information.

Program Website (http://www.gfcmsu.edu/webs/dentalassistant/)

Program Application (http://www.gfcmsu.edu/webs/dentalassistant/documents/Dental_Assistant_Application.pdf) (Fall 2020 application available February 14th)

Dental Assistants are important members of the dental health care team and primarily help to increase the efficiency and productivity of the dental practice by assisting the dentist in delivering patient care. Other employment opportunities and/or responsibilities include dental health education, performing expanded duty dental care on patients, business practice, or working with dental insurance or dental supply companies. Because dentists employ two or three dental assistants, employment opportunities are excellent.

The GFC MSU Dental Assistant program is a one-year (11 month) limited enrollment Certificate of Applied Science program and accepts up to 18 students each year. Applicants are advised to contact Advising or Career Center Advisors or a Program Director for further program information specific to admission requirements.

Interested students must complete an application to the program (separate from the institution application) for program acceptance. These students must have already successfully (C- or better) completed M 065 and WRIT 095 OR their equivalents OR be currently at the competency level for the program-required math and writing courses. Applicants must be in good academic standing for program entry.

Following acceptance to the program, students complete three semesters concluding with a summer semester when the students are enrolled in clinical practice. Students will be required to purchase uniform attire and provide their own transportation (and lodging, if applicable) to and from clinical site assignments.

The Dental Assistant program will:

- Maintain an instructional curriculum that meets the accreditation standards of the American Dental Association Council on Dental Education and of the local dental community.
- Deliver relevant learning experiences and curriculum sequencing to ensure graduates achieve adequate knowledge and skill to enable them to be employed in the field as entry level Dental Assistants.

Outcomes

Graduates are prepared to:

- Sit for the national certification examination administered by the Dental Assisting National Board.
- Perform with entry level skill and competence in assigned chairside dental assistant duties and responsibilities (including expanded duty functions as defined by the Montana Board of Dentistry).
- Substantiate the mastery of oral radiography theory and techniques.
- Utilize computer technology associated with the profession of dentistry, including but not limited to digital radiography, intraoral cameras, and dental-specific software for the operation of a dental practice.
- Integrate concepts in the dental sciences, prevention, and oral health promotion to a variety of treatment situations in the dental setting.
- Demonstrate appropriate cultural, legal, ethical, and professional values (including adherence to HIPAA standards).
- Articulate dental language appropriate in business, clinical, and educational situations.
- Apply OSHA infection control standards during all aspects of dental care and practice.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$5,127
Application Fee	$30
Lab/Course Fees	$375
Uniforms	$250
Program Fee	$402
Books/Supplies	$864
Total	$7,047

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

The Dental Assistant program sequence is as follows:

(The student, however, may complete any or all of the general education coursework (non-DA) prior to entry to the Dental Assistant program, i.e.: M 090 or higher, and/or COMX 115 or PSYX 100)

A grade of C- or above must be achieved in all courses to advance in the program and to graduate.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
DENT 110	Theory of Infect Ctrl and Dis *,+	1	_____
DENT 115	Head, Neck and Oral Anatomy *,+	4	_____
DENT 116	Dental Office Management *,+	2	_____
DENT 120	Oral Radiology/Radiography I *,+	3	_____
DENT 123	Chairside Theory and Pract I *,+	4	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
	Credits	17	
Spring			
DENT 121	Oral Radiology/Radiography II *,+	2	_____
DENT 124	Chairside Theory and Pract II *,+	4	_____
DENT 140	Dental Sci/Prevent Dentistry *,+	4	_____
DENT 145	Dental Specialties *,+	3	_____
M 090	Introductory Algebra (or higher) **,+	3	_____
	Credits	16	
Summer			
DENT 195	Clinical Off Practice and Sem *,+	7	_____
Select one of the following:			
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
	Credits	10	
	Total Credits	43	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

All required Dental Assistant program coursework must be successfully (C- or better) completed prior to enrollment in DENT 195, with the exception of Intro to Interpersonal Communication or General Psychology, which may be taken during the summer term.

Dental Hygiene

Associate of Applied Science Degree

Program Director: Julie Barnwell
Program Faculty: Kim Dunlap, Rachael Bruce, Dr. David Dachs

Program Website (http://www.gfcmsu.edu/webs/dh/)

Program Application (http://catalog.gfcmsu.edu/academic-programs/dental-hygiene/%20http://www.gfcmsu.edu/webs/dh/documents/Dental_Hygiene_Application.pdf) (Fall 2020 application available February 14th)

The Dental Hygienist is a licensed professional member of the healthcare team who integrates the roles of educator, consumer advocate, practitioner, manager, and researcher to support total health through the promotion of

oral health and wellness. The focus of dental hygiene is on preventing oral disease.

Upon receipt of the Associate of Applied Science Degree, successful completion of the National Dental Hygiene Board Examination is required. The graduate will also need to obtain a license for the state he/she wishes to practice in by successfully completing a regional practical examination (WREB). The dental hygienist must practice in accordance with the requirements of the individual state's practice acts and abide by requirements to maintain licensure.

The Great Falls College MSU's Dental Hygiene Program is a limited enrollment program, accepting 16 students each year. Interested students are urged to contact the Program Director or the Advising & Career Center Advisors for student advising specific to admission requirements and criteria for program acceptance.

Outcomes

Graduates are prepared to:

- Formulate comprehensive dental hygiene care plans that include accurate, consistent and complete documentation for assessment, diagnosis, planning, implementation, and evaluation that are dental centered and based on current scientific evidence based treatment.
- Employ professional judgement and critical thinking to identify, asses, analyze and creatively address situations in a safe and ethical manner.
- Demonstrate effective interpersonal skills through verbal and written communication with all individuals and groups from various populations.
- Demonstrate leadership skills and provide service to the community through health promotion activities and oral health prevention education while respecting their values and beliefs.
- Apply the concepts of oral health prevention and promotion to improve overall wellness by understanding the link between oral and systemic health.
- Provide safe and competent dental hygiene services to all individuals who seek treatment regardless of age, physical status, or intellectual ability with an individualized approach that is humane, empathetic, and caring.
- Demonstrate appropriate cultural, legal, ethical, and professional values at all times while practicing within the standards established by the professions code of ethics and identify parameters of accountability.
- Determine when the collaboration with other healthcare professionals is required to ensure safe appropriate comprehensive dental hygiene care is provided.
- Develop goals based on continuous self assessment to ensure lifelong learning and professional growth.
- Exhibit effective customer service and practice building skills that are designed to promote the area and importance of preventive oral health.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$11,962
Application Fee	$30
Lab Fees	$200
Program Fee	$1,265
Books/Supplies/Instruments	$3,743
Total	$17,200

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Students will be required to purchase dental instruments, supplies, uniforms, and may also be required to provide transportation to clinical sites and lodging costs depending on the clinical sites selected.

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Prerequisite Courses

Course	Title	Credits	Grade/Sem
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
BIOM 250	Microbiology for Hlth Sci wLab *,+	4	_____
M 121 (or any math course in the MUS Core) **,+		3-4	_____
WRIT 101	College Writing I **,+	3	_____
Select one of the following:			
CHMY 121	Intro to General Chem w/Lab *,+	4	_____
OR BOTH			
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
Total Credits		22-27	_____

All prerequisite courses and dental hygiene program application must be completed by June 10th prior to fall entry into the program. A grade of C (not a C-) or above must be achieved in all prerequisite and program courses to advance in the program and to graduate.

Program Course Requirements

Course	Title	Credits	Grade/Sem
First Year			
Fall			
DENT 101	Intro to Dental Hyg/Preclinic *,+	2	_____
DENT 102	Intro to DH/Preclinic Lab *,+	2	_____
DENT 110	Theory of Infect Ctrl and Dis *,+	1	_____
DENT 118	Oral Anatomy for Hygienists *,+	3	_____
DENT 122	Radiology I/Lab *,+	2	_____
HTH 140	Pharmacology for HC Providers *,+	2	_____
	Credits	12	
Spring			
DENT 150	Clinical Dent Hyg Theory I *,+	2	_____
DENT 151	Clinical Dent Hyg Practice I *,+	4	_____
DENT 160	Periodontology I *,+	3	_____
DENT 165	Oral Histology and Embryology *,+	2	_____
DENT 125	Radiology II/Lab *,+	2	_____
DENT 240	Local Anes/Nitrous Ox Theo/Lab *,+	2	_____
	Credits	15	
Summer			
DENT 220	Dental Nutrition Health *,+	3	_____
DENT 260	Periodontology II *,+	2	_____
DENT 223	Clinical Dent Hyg Theory II *,+	2	_____
DENT 251	Clinical Dent Hyg Practice II *,+	4	_____
	Credits	11	
Second Year			
Fall			
DENT 130	Dental Materials *,+	2	_____
DENT 263	General/Oral Pathology *,+	3	_____
DENT 237	Gerontology/Special Needs Pts *,+	2	_____
DENT 250	Clinical Dent Hyg Theory III *,+	2	_____
DENT 252	Clinical Dent Hyg Practice III *,+	5	_____
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
	Credits	17	
Spring			
DENT 232	Comm Dental Hlth and Educ *,+	2	_____
DENT 235	Prof Issues/Ethics in Dent Pra *,+	2	_____
DENT 280	Clinical Dent Hyg Theory IV *,+	1	_____
DENT 281	Clinical Dent Hyg Practice IV *,+	5	_____
SOCI 101	Introduction to Sociology +	3	_____
Select one of the following:			
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
	Credits	16	
	Total Credits	71	

TOTAL PROGRAM CREDITS: 93-98

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C or above is required for graduation.

Emergency Medical Services (EMS) Offerings

Program Offerings:

- A.A.S. Paramedic Degree
- Emergency Medical Technician (EMT)
    - Two sections offered in the fall and spring
- Basic Life Support (CPR)
    - Multiple sections offered in the fall and spring (summer based on sufficient demand)
- HeartSaver First Aid/CPR
    - Multiple sections offered in the fall and spring (summer based on sufficient demand)
- ALS/BLS Refresher (based on sufficient demand)
- Continuing Education Units for EMTs (based on sufficient demand)
- IV Therapy (based on sufficient demand)
- Emergency Medical Responder (based on sufficient demand)
- EMT Endorsements (based on sufficient demand)
- Critical Care (CCEMTP) licensed site (based on sufficient demand)

For more information, call 406.268.3718, or email jhenderson@gfcmsu.edu

EMT/Pre-Paramedic

Certificate of Technical Studies

Program Director: Joel Henderson

NOTE: This program is currently under review. Please contact the program director or your advisor.

Program Website (http://www.gfcmsu.edu/webs/ems/)

Many of these courses are available online

Becoming EMT Certified

Once students successfully complete ECP 131 and turn 18 years of age, they will be eligible and prepared to take the National Registry EMT examination. Upon successful completion of the NREMT exam, they will be certified as an EMT. Being certified as an EMT is one of the requirements for becoming a paramedic.

Eligibility to apply to the Paramedic AAS Program

Upon successful completion of the EMT/Pre-Paramedic Professional Certificate, students will meet the minimum requirements and be able to apply to the GFC MSU Paramedic Program (p. 60).

According to the U.S. Bureau of Labor and Statistics (http://www.bls.gov/ooh/healthcare/emts-and-paramedics.htm#tab-4), Emergency Medical Technicians (EMTs) and paramedics care for the sick or injured in emergency medical settings. People's lives often depend on their quick reaction and competent care. EMTs and paramedics respond to emergency calls, performing medical services and transporting patients to medical

facilities. Employment of EMTs and paramedics is projected to grow 23 percent from 2012 to 2022, much faster than the average for all occupations. Emergencies, such as car crashes, natural disasters, or acts of violence, will continue to create demand for EMTs and paramedics. Demand for part-time, volunteer EMTs and paramedics in rural areas and smaller metropolitan areas will also continue. Growth in the middle-aged and elderly population will lead to an increase in the number of age-related health emergencies, such as heart attacks or strokes. This, in turn, will create greater demand for EMTs and paramedic services. An increase in the number of specialized medical facilities will require more EMTs and paramedics to transfer patients with specific conditions to these facilities for treatment.

The median annual wage for EMTs and paramedics was $31,020 in May 2012. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less. The lowest 10 percent earned less than $20,180, and the top 10 percent earned more than $53,550. This entry-level wage stated above for EMT/paramedic combines both levels, but when separated out a paramedic annual entry-level wage is much higher. An EMT is an entry-level position, requires much less training (one semester), and many EMTs are volunteers. The paramedic position is the highest level of certification/licensure for a pre-hospital provider, requires much more training (AAS degree), and thus is paid higher than an EMT.

Most paid EMTs and paramedics work full time. About 1 in 3 worked more than 40 hours per week in 2012. Because EMTs and paramedics must be available to work in emergencies, they may work overnight and on weekends. Some EMTs and paramedics work shifts in 12- or 24-hour increments. Volunteer EMTs and paramedics have variable work schedules.

Outcomes

Graduates are prepared to:

- Provide emotional support to patients in an emergency, especially patients who are in life-threatening situations or extreme mental distress.

- Work on teams and be able to coordinate their activities closely with others in stressful situations.

- Listen to patients to determine the extent of their injuries or illnesses.

- Be physically fit. Their job requires a lot of bending, lifting, and kneeling.

- Demonstrate strong problem-solving skills. They must be able to evaluate patients' symptoms and administer the appropriate treatments.

- Explain procedures to patients, give orders, and relay information to others, skills necessary to enter the medical workforce in clinics, hospitals, and other health care facilities. Students gain skills in basic computer, medical terminology, professional and career responsibilities, interpersonal communication, records management, written communications, financial administration, managing the office and employment.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$1,709
Application Fee	$30
Lab/Course Fees	$225
Ambulance Third Rider Fee	$480
Books/Supplies	$881
Total	$3,325

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits.

Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ECP 131	EMT with Clinical +	7	_____
M 121	College Algebra (or any math course in the MUS core) **,+	3	_____
WRIT 101	College Writing I **,+	3	_____
Select one of the following:			
AHMS 142	Intro to Medical Terminology +	1	_____
AHMS 144	Medical Terminology +	3	_____
Select one of the following:			
BIOH 104	Basic Human Biology & Lab **, +	4	_____
OR BOTH			
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
	Credits	18-24	
	Total Credits	18-24	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Health Information Coding Specialist

Certificate of Applied Science Degree

Program Director: Kristine Sher

This program is offered completely on-line.

Program Website (http://www.gfcmsu.edu/webs/hit/hiccertificates.html)

Health information coding is the transformation of verbal descriptions of diseases, injuries, and procedures into alphanumeric designations used for data retrieval, analysis, and claims processing.

Upon completion of the Certificate of Applied Science in Health Information Coding Specialist, students will be prepared to begin a successful career as a health information coding specialist. Students are prepared to sit for the National Certified Coding Associate exam administered through AHIMA (www.ahima.org (http://www.ahima.org)).

The Health Information Coding Specialist Certificate program is approved through AHIMA and the Assembly on Education.

Outcomes

Graduates are prepared to:

- Use computer applications and software in maintaining health information in health records.
- Research and rely on knowledge in correct medical terminology, anatomy and physiology, pharmacology, and disease processes.
- Identify and apply accurate diagnostic and procedural codes for reimbursement.
- Exhibit professional communication skills in oral, written, and electronic formats.
- Maintain confidentiality of health information while developing a commitment to adhering to the standards of professional integrity, honesty, and fairness.
- Interact professionally in the healthcare environment with healthcare providers, patients/clients, and the public while understanding diversity among cultures and societies.
- Apply knowledge of health information technology to solve problems while utilizing critical thinking skills.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$5,127
Application Fee	$30
Lab/Course Fees	$987
Books/Supplies	$2,513
Total	$8,657

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NOTE: Curriculum is based on a full time schedule.

Course	Title	Credits	Grade/Sem
First Year			
Summer			
AHMS 108	Health Data Content & Struct *,+	3	_____
AHMS 144	Medical Terminology +	3	_____
BIOH 112	Human Form and Function I +	4	_____
CAPP 131	Basic MS Office +	3	_____
HTH 180	Pharmaceuticals for HC Provdrs *,+	1	_____
	Credits	14	
Fall			
AHMS 157	Healthcare Reimbursement Metho *,+	4	_____
AHMS 160	Beginning Procedural Coding *,+	3	_____
AHMS 164	Beg Diagnosis Coding: ICD-10 *,+	3	_____
AHMS 201	Medical Science *,+	3	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
	Credits	16	
Spring			
AHMS 158	Legal & Rgltry Aspcts Hlthcare *,+	3	_____
AHMS 212	CPT Coding *,+	3	_____
AHMS 213	ICD-10 Coding *,+	3	_____
AHMS 285	HICS/Coding Professional Practice Experience *,+	2	_____
M 140	College Math for Healthcare (OR any math in the MUS Core) **, +	3	_____
Select one of the following:			
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
	Credits	17	
	Total Credits	47	

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

+ A grade of C- or above is required for graduation.

Health Information Technology

Associate of Applied Science Degree

Program Director: Kathryn Peterson

This program is offered completely on-line.

Program Website (http://www.gfcmsu.edu//webs/hit/)

The Health Information Technology program is designed to prepare individuals to organize and evaluate health records for completeness and accuracy. Upon completion of the AAS degree in Health Information Technology, students will be prepared to begin a successful career as a health information technologist. Students are prepared to sit for the National Registered Health Information Technologist exam administered by AHIMA (www.ahima.org (http://www.ahima.org)).

The Health Information Technology program is accredited by the Commission on the Accreditation for Health Informatics and Information Management (CAHIIM).

Outcomes

Graduates are prepared to:

- Use computer applications and software in maintaining health information in health records.
- Research and rely on knowledge in medical terminology, anatomy and physiology, pharmacology, and disease processes.
- Identify and apply accurate diagnostic and procedural codes for reimbursement.
- Exhibit professional communication skills in oral, written, and electronic formats.
- Maintain confidentiality of health information, while developing a commitment to adhering to the standards of professional integrity, honesty, and fairness.
- Interact professionally in the healthcare environment with healthcare providers, patients/clients, and the public, while understanding diversity among cultures and societies.
- Analyze qualitative and quantitative information, including graphic, numerical, and verbal data.
- Apply knowledge of health information technology to solve problems, while utilizing critical thinking skills.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$8,544
Application Fee	$30
Course Fees	$319
Books/Supplies	$3,784
Total	$12,677

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NOTE: Curriculum is based on a full time schedule. The courses listed below do not have to be taken in the specified order. However, if you do take them in this order, it will ensure that you have completed all prerequisites for each course. Also, since not every course is offered every semester, it will ensure that you do not have to delay graduation because a certain course is not offered when you decide to take it. Please note that if you attend part-time

and/or require developmental courses in Math and/or English, it will take longer to complete your program.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
AHMS 105	Health Care Delivery +	2	_____
AHMS 144	Medical Terminology +	3	_____
AHMS 103	Research in HIM +	1	_____
BIOH 112	Human Form and Function I +	4	_____
CAPP 131	Basic MS Office +	3	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
	Credits	16	
Spring			
AHMS 108	Health Data Content & Struct *,+	3	_____
AHMS 158	Legal & Rgltry Aspcts Hlthcare *,+	3	_____
AHMS 201	Medical Science *,+	3	_____
BIOH 113	Human Form and Function II *,+	3	_____
M 140	College Math for Healthcare (or any Math in the MUS Core) **,+	3	_____
	Credits	15	
Summer			
HIT 230	Ovrvw of Hlth Information Syst *, +	4	_____
HTH 180	Pharmaceuticals for HC Provdrs *,+	1	_____
Select one of the following:			
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
	Credits	8	
Second Year			
Fall			
AHMS 157	Healthcare Reimbursement Metho *,+	4	_____
AHMS 160	Beginning Procedural Coding *, +	3	_____
AHMS 164	Beg Diagnosis Coding: ICD-10 *,+	3	_____
AHMS 208	Healthcare Statistics *,+	2	_____
AHMS 227	Health Information Management *,+	3	_____
	Credits	15	
Spring			
AHMS 213	ICD-10 Coding *,+	3	_____
AHMS 240	Clinical Quality Assessment *,+	3	_____
AHMS 275	HIT-Professional Practice Exp *,+	2	_____
AHMS 288	HIT Exam Preparation *,+	3	_____
HIT 265	Electr Health Rec in Med Prac *, +	3	_____
	Credits	14	
	Total Credits	68	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Industrial Technician CAS

Certificate of Applied Science Degree

Program Director: Karry Hardman

Program Website (http://www.gfcmsu.edu/webs/industrialtech/)

This program prepares students for operation and maintenance jobs dealing with industrial machinery. Program graduates have general skills in industrial safety, electrical troubleshooting, hydraulic and pneumatic system operation, and mechanical system repair. These skills are built on a strong educational foundation in math, writing, communications, and computing.

For more information on other programs in this field, visit the catalog pages for the Industrial Technician AAS (p. 59) and the Renewable Energy Technician AAS (p. 67).

Outcomes

Graduates are prepared to:

- Identify and practice safe workplace habits.
- Demonstrate familiarity with basic electrical tools and the ability to troubleshoot a basic electrical system.
- Demonstrate familiarity with basic mechanical tools and the ability to repair a basic mechanical system.
- Demonstrate a basic understanding of hydraulic and pneumatic systems.
- Demonstrate the ability to use personal computers and common operating systems and applications software.
- Develop and practice professional standards of workplace communication and interpersonal skills.
- Demonstrate an understanding of motor control circuits and how they operate.

Estimated Cost

Estimated Resident Program Cost*

Tutiion and Fees	$3,418
Application Fee	$30
Program Fee	$500
Books/Supplies	$1,171
Total	$5,119

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ECP 100	First Aid & CPR +	1	_____
ELCT 120	Basic Industrial Controls *,+	3	_____
ETEC 101	AC/DC Electronics I *,+	3	_____
NRGY 120	Industrial Safety and Rigging *,+	3	_____
NRGY 130	Fundmtl of Mechanical Systems *,+	3	_____
Select one of the following:			
M 105	Contemporary Mathematics **,+	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
	Credits	16-17	
Spring			
MCH 130	Machine Shop *,+	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
ETEC 103	AC/DC Electronics II *,+	3	_____
ELCT 130	Elec Motors and Generators *,+	3	_____
NRGY 110	Fundmtl Hydraul/Pneu Systems *,+	3	_____
WRIT 104	Workplace Communications +	2	_____
	Credits	17	
	Total Credits	33-34	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of C- or above is required for graduation.

Industrial Technician AAS

Overview

Associate of Applied Science Degree

Program Director: Karry Hardman

NOTE: This program is in moratorium and will not be accepting new students.

Program Website

The Industrial Technician Associate of Applied Science degree program prepares graduates for technician jobs in industry related fields. Program graduates have general skills in industrial safety, electrical troubleshooting, hydraulic and pneumatic system operation, and mechanical system repair. They also have specialized skills in programmable logic controls, digital electronics, automatic process controls, metals technology, and industrial robots. These specialized skills are built on a strong educational foundation in math, writing, communications, and computing.

For more information on other programs in this field, visit the catalog pages for the Industrial Technician CAS (p. 59) and the Renewable Energy Technician AAS (p. 67).

Outcomes

Graduates are prepared to:

- Identify and practice safe workplace habits.
- Demonstrate familiarity with basic electrical tools and the ability to troubleshoot a basic electrical system.
- Demonstrate familiarity with basic mechanical tools and the ability to repair a basic mechanical system.
- Demonstrate a basic understanding of hydraulic and pneumatic systems.
- Demonstrate the ability to use personal computers and common operating systems and applications software.
- Develop and practice professional standards of workplace communication and interpersonal skills.
- Demonstrate a basic understanding of AC and DC variable speed motor drives.
- Demonstrate a basic understanding of programmable logic controllers.
- Demonstrate a basic understanding of digital electronics.
- Demonstrate an understanding of college-level algebra.
- Demonstrate an understanding of motor control circuits and how they operate.
- Demonstrate a basic understanding of how industrial process controls are used.
- Demonstrate familiarity with industrial robotic control and programming.
- Identify and use specific tooling used in machining process.
- Demonstrate basic welding procedures using SMAW and GMAW techniques.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,835
Application Fee	$30
Program Fee	$1,000
Books/Supplies	$1,691
Total	$9,557

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
Upon completion of the 1st and 2nd semesters, students are eligible to apply for the Industrial Technician Certificate of Applied Science.			
ECP 100	First Aid & CPR +	1	_____
ELCT 120	Basic Industrial Controls *,+	3	_____
ETEC 101	AC/DC Electronics I *,+	3	_____
NRGY 120	Industrial Safety and Rigging *,+	3	_____
NRGY 130	Fundmtl of Mechanical Systems *,+	3	_____
Select one of the following:			
M 105	Contemporary Mathematics **,+	3	_____
M 151	Precalculus **,+	4	_____
M 121	College Algebra **,+	3	_____
M 171	Calculus I **,+	4	_____
	Credits	16-17	
Spring			
COMX 115	Intro to Interpersonal Communc +	3	_____
ETEC 103	AC/DC Electronics II *,+	3	_____
ELCT 130	Elec Motors and Generators *,+	3	_____
MCH 130	Machine Shop *,+	3	_____
NRGY 110	Fundmtl Hydraul/Pneu Systems *,+	3	_____
WRIT 104	Workplace Communications +	2	_____
	Credits	17	
Second Year			
Fall			
CAPP 131	Basic MS Office +	3	_____
ETEC 220	ElectricalPower/Distribution I *,+	3	_____
ETEC 231	Electronic Drive Systems *,+	3	_____
ETEC 245	Digital Electronics *,+	4	_____
ELCT 250	Programmable Electronic Contro *,+	3	_____
	Credits	16	
Spring			
CAPP 156	MS Excel *,+	3	_____
ETEC 234	Automatic Controls *,+	4	_____
ETEC 236	Intro to Industrial Robotics *,+	3	_____
WLDG 100	Intro to Welding Fundamentals +	3	_____
	Credits	13	
	Total Credits	62-63	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Paramedic

Associate of Applied Science Degree

Program Director: Joel Henderson

A hybrid option is available for this program. Please contact the program director for more information.

Program Website (http://www.gfcmsu.edu/webs/ems/)

Program Application (http://www.gfcmsu.edu/webs/ems/documents/ Paramedic_Application.pdf) (Fall 2020 application available February 14th)

Emergency Medical Services (EMS) personnel play a primary role in providing care and transportation of the sick and injured in a pre-hospital setting. GFC MSU offers an AAS degree for the Paramedic program.

Upon completion of the Paramedic program, students will be prepared to sit for the National Registry Certification Examination to gain licensure and begin a successful career as a top-level pre-hospital care provider.

The Paramedic program is nationally accredited through CAAHEP, the Commission on Accreditation of Allied Health Education Programs, in collaboration with CoAEMSP, the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions.

Admission Requirements

The Great Falls College MSU Paramedic Program is a limited enrollment program, accepting a restricted number of students each year. Interested students are urged to contact the Program Director or the Advising & Career Center Advisors for student advising specific to program admission requirements and criteria for program acceptance.

Eligibility for Admission into the Paramedic Program

All eligibility forms and documents are enclosed in the Paramedic Program Information and Application Packet.

To be eligible to apply for admission into the Paramedic Program, applicants must:

- Be admitted to Great Falls College MSU
- Be in good academic standing

Required Paramedic program admissions qualifications include:

- Current National Registry Certification as an EMT
- EMT or AEMT state licensure prior to enrollment
- Current certification in BLS HCP (CPR)
- A math course in the MUS Core (http://catalog.gfcmsu.edu/ academic-programs/montana-university-system-core/ #programrequirementstext) with a grade of at least C-
- WRIT 101 College Writing I or higher with a grade of at least C-
- BIOH 104 Basic Human Biology & Lab **OR** BIOH 108 **OR BOTH** BIOH 201 and BIOH 211 with a grade of at least C- or higher

Outcomes

Graduates are prepared to:

Program Cognitive Objective:

- Demonstrate the ability to comprehend, apply, and evaluate the clinical information relative to his role as an entry-level Paramedic in Cascade County, the State of Montana, and the U.S.

Program Psychomotor Objective:

- Demonstrate technical proficiency in all skills necessary to fulfill the role of entry-level Paramedic in Cascade County, the State of Montana, and the U.S.

Program Affective Objective:

- Demonstrate professional and employer expectations for the entry level Paramedic in Cascade County, the State of Montana, and the U.S.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$8,544
Application Fee	$30
Lab Fees	$948
Ambulance Third Rider	$480
Books/Supplies	$2,419
Total	$12,420

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http:// students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

General Education Prerequisite Requirements

Course	Title	Credits	Grade/Sem
Fall Semester			
ECP 131	EMT with Clinical +	7	_____
M 121	College Algebra (OR Any math course in the MUS Core) **,+	3	_____
WRIT 101	College Writing I **,+	3	_____
Fall Subtotal		13	_____
Spring Semester			
Select one of the following:			
BIOH 104	Basic Human Biology & Lab **,+	4	_____
BIOH 108	Basic Anatomy **,+	4	_____
or both			
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
Electives ***		7	_____
Select one of the following:			
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Spring Subtotal		14-18	_____

TOTAL PREREQUISITE CREDITS: 27-31

** Placement in course(s) is determined by placement assesment

*** PROGRAM ADVISOR will work with student to choose appropriate electives

+ A grade of C- or above is required for graduation

Degree Requirements After Formal Acceptance into the Paramedic Program

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ECP 203	Fundamentals of Advanced Care *,+	3	_____
ECP 209	Paramedic I *,+	3	_____
ECP 210	Paramedic II *,+	3	_____
ECP 211	Paramedic I/II Lab *,+	2	_____
ECP 212	Advanced Cardiac Life Support *,+	1	_____
ECP 215	Clinical I *,+	3	_____
HTH 140	Pharmacology for HC Providers *,+	2	_____
	Credits	17	
Spring			
ECP 237	Paramedic III *,+	3	_____
ECP 238	Paramedic IV *,+	3	_____
ECP 239	Paramedic III/IV Lab *,+	2	_____
ECP 241	Pediatric Advanced Life Supprt *,+	1	_____
ECP 245	Clinical II *,+	4	_____
	Credits	13	
Summer			
ECP 240	Pre-Hospital Trauma Life Suppt *,+	1	_____
ECP 298	Field Internship *,+	6	_____
	Credits	7	
	Total Credits	37	

TOTAL PROGRAM CREDITS: 64-68

Course	Title	Credits	Grade/Sem
Suggested Electives:			
AHMS 142	Intro to Medical Terminology	1	_____
AHMS 144	Medical Terminology	3	_____
Any CHMY course			
Any BIOH course (not used already)			
Any BIOB course			
CAPP 131	Basic MS Office	3	_____
ECP 100	First Aid & CPR	1	_____
SIGN 101	Intro to American Sign Lang	3	_____
OR other courses with program director approval			

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

+ A grade of C- or above is required for graduation.

Physical Therapist Assistant

Associate of Applied Science Degree

Program Director: Brad Bechard
Program Faculty: Michael Hansell

Program Website (http://www.gfcmsu.edu/webs/pta/)

Program Application (http://www.gfcmsu.edu/webs/pta/documents/PTA_Application.pdf) (Fall 2020 application available February 14th)

The formal portion of the Physical Therapist Assistant (PTA) program begins fall semester with a limited enrollment of 20 students. There are 32 credits of prerequisite courses, which may take one year or longer to complete. All prerequisite coursework must be completed with a grade of C or higher. The student must apply for acceptance into the formal portion of the PTA program and be accepted. A grade of 76% or Pass is required for all coursework within the PTA program after formal acceptance.

The formal portion of the PTA program is challenging and consists of fall, spring, and summer semesters, taking one full year. This time includes built-in clinical experiences, which may or may not be in the Great Falls area. Upon completion of the PTA program, the graduate is prepared to take the National Physical Therapist Assistant Examination (NPTAE) provided by the Federation of State Boards of Physical Therapy and must receive a passing score in order to become a licensed PTA. Licensure is required to practice as a physical therapist assistant in Montana and is overseen by the State of Montana Board of Physical Therapy Examiners.

The PTA program is designed to graduate individuals who are knowledgeable, competent, self-assured, adaptable, and service-oriented patient/client care providers performing their duties within the ethical and legal guidelines of the physical therapy profession as an entry-level PTA having successfully passed the NPTAE. Graduates are prepared to work in a variety of healthcare settings including acute care, outpatient, rehabilitation, and extended care.

The Great Falls College Montana State University Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE).

Outcomes

PTA Program Goals

The Great Falls College PTA Program: Developing Quality Skills with Unwavering Ethics

Student Goals:

1. The student will develop an entry level skill set, who is prepared both didactically and clinically for passing licensure while demonstrating quality provision of services under the direction and supervision of a licensed physical therapist. *Developing Quality Skills*

Student Outcomes:

A. 85% of students will maintain a 2 year average ultimate pass rate in the NPTE.

B. 100% of students will utilize peer review research within at least two assignments while in the program.

2. The student will identify evidence based practice to relate to their clinical decision making. *Developing Quality Skills*

Student Outcome:

A.   100% of students will utilize peer review research within at least two assignments while in the program.

3.   The student will demonstrate commitment to the profession by serving the needs of the community through ethical practice and participation in service related activities.   *Unwavering Ethics*

Student Outcome:

A.   100% of students will have participated in at least one service related activity within the community prior to graduation.

B.   100% of students will demonstrate through at least one assignment that addresses appropriate education, communication, and treatment towards various special populations in regards to their cultural, community, or individual need prior to graduation.

C.   100 % of students will demonstrate through at least one assignment that addresses an area of need within the PTA scope of practice utilizing audio and visual aids to accommodate different learning styles of the patient or community prior to graduation.

Estimated Cost

Estimated Resident Program Cost *

Tuition and Fees	$8,544
Application Fee	$30
Course Fees	$856
Program Fee	$123
Books/Supplies	$2,880
Total	$12,433

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

The Great Falls College PTA Program is a limited enrollment program, accepting a restricted number of students each year. Interested students are urged to contact the PTA Program Director or Advising and Career Center Advisors for student advising specific to admission requirements and criteria for program acceptance.

Prerequisites

Background in basic sciences and proficiency in keyboarding are essential to success in the Physical Therapy Assistant Program.

Prior to fall admission into the PTA program students must:

- Have completed high school physics AND chemistry with a C or better (students without high school coursework in these areas should consult the PTA Program Director as to the appropriate college courses needed to meet this requirement).

- Provide proof of keyboarding completed at the high school or collegiate level with a C or better. If a formal keyboarding course was not completed, proof of a typing test with a minimum of 25 words per minute must be demonstrated via a certificate that provides your name and results of the test. If these courses are to be taken at the collegiate level, contact the PTA program director to ensure that you take the appropriate course(s) to meet the requirements for admission to the formal PTA program.

- Be admitted to GFC MSU and be in good academic standing. Application information may be acquired at the College, or by calling Student Central at 406.771.4414 or toll free at 1.800.446.2698, or online at http://www.gfcmsu.edu.

- Complete 40 hours or more of observation with a licensed physical therapist or physical therapist assistant. Please note that higher point values for admission to the PTA Program are awarded at 10 hour intervals. Refer to section "Observation Hours" in the application packet (http://www.gfcmsu.edu/catalog/Programs/ProgramApplications/PTA%20Application%20Fall%202014.pdf).

- Earn a grade of C or higher in all pre-requisite courses:

Course	Title	Credits	Grade/Sem
AHMS 144	Medical Terminology +	3	_____
AHPT 105	Intro to Physcl Thrpist Assist (Prerequisite or corequisite with consent of program director) +	3	_____
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
M 140	College Math for Healthcare (OR any math course in the MUS Core) **,+	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
WRIT 101	College Writing I **,+	3	_____
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
Subtotal		32	_____

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C or above is required for graduation.

Program Course Requirements after Formal Acceptance

A grade of 76% or better is required to pass each class within the professional phase of the program:

Course	Title	Credits	Grade/Sem
First Year			
Fall			
AHPT 101	Physcl Thrpist Assist I / Lab *,+	5	_____
AHPT 205	Anat and Kinesio for the PTA *,+	6	_____
AHPT 206	Pathophysiology for the PTA *,+	3	_____
AHPT 210	Clinical Experience I *,+	3	_____
AHPT 218	Theraptc Exercise for the PTA *,+	2	_____
	Credits	19	
Spring			
AHPT 201	Physcl Thrpist Assist II / Lab *,+	5	_____
AHPT 213	Neurorehab for the PTA *,+	6	_____
AHPT 215	Introduction to Orthopedics *,+	4	_____
AHPT 220	Clinical Experience II *,+	3	_____
	Credits	18	
Summer			
AHPT 225	Semnr in Physcl Thrpist Assist *,+	1	_____
AHPT 230	Clinical Experience III *,+	7	_____
	Credits	8	
	Total Credits	45	

TOTAL PROGRAM CREDITS: 76

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of 76% or above is required for graduation.

Practical Nurse

Certificate of Applied Science Degree

Program Director: Lauren Swant

Program Faculty: Kaylene Strutz, Mandilynn Lee, Heather Smith and Julie Derby

A hybrid option is available for this program. *Additionally, s*tarting Fall 2020, Great Falls College MSU will begin offering a part-time option for the Practical Nursing program, completed over four semesters (after completion of pre-requisites). Please contact the program director for more information.

Program Website (http://www.gfcmsu.edu/webs/nursing/)

Program Application (http://www.gfcmsu.edu/webs/nursing/documents/ Practical_Nurse_Application.pdf) (Fall 2020 Application is available February 14th)

The Practical Nurse program prepares individuals to function as entry-level practical nurses with the ability to give safe, effective nursing care. The Practical Nurse program at Great Falls College Montana State University is currently approved by the Montana State Board of Nursing.

Upon completion of the Certificate of Applied Science Degree in Practical Nursing, students will be prepared to begin a successful career as a practical nurse. Students are prepared to sit for the national licensure examination for practical nursing.

The Practical Nurse program is a limited enrollment program. Interested students must apply for entry into the program. An application packet is available on the program website. The length of the program is two consecutive semesters after a semester of pre-requisites. For students that live more than 30 miles from Great Falls, Great Falls College MSU offers Practical Nursing as a hybrid program with distance learning options. Starting Fall 2020, Great Falls College MSU will begin offering a part-time option for the Practical Nursing program, completed over four semesters (after completion of pre-requisites) to allow students more flexibility. The students in the part-time option will take classes offered in the same semesters as the full-time option.

Accepted students will be required to provide proof of Health Care Provider CPR certification, a DOT-compliant urine drug screen, a background check, and a series of other specific immunizations. Further detailed information will be included in the acceptance packet. Computer skills are highly recommended.

The Hepatitis B immunization series is strongly recommended before entrance into the program. A student may be denied access to clinical rotations without an adequate Hepatitis B titer. Students having religious or personal conflicts against receiving the Hepatitis B vaccine must sign a release form.

Outcomes

Graduates are prepared to:

- Demonstrate accountability, responsibility, civility, advocacy, and commitment to nursing when dealing with clients and families, as a member of the health care team.
- Use communication that is effective and therapeutic, along with technology, to implement problem solving processes in the evidence-based delivery of patient care.
- Complete a patient's health status assessment and analyze data to formulate a complete plan of nursing care to provide clinically competent, evidence-based, safe, and quality patient care.
- Practice within the PN Scope of practice, legal and ethical frameworks, and within national and state standards of nursing practice.
- Provide holistic, culturally-considerate care in a variety of healthcare settings to promote integrity, dignity, and personal growth for clients, families, communities, and oneself.
- Contribute to the individualized care plan by collaborating with health care team members to adapt health care practices to meet the individual needs of patients.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$5,127
Application Fee	$30
Uniforms	$225
Lab/Course Fees	$80
Program Fee	$200
Books/Supplies	$2,531
Total	$8,192

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Prerequisite Coursework

The following courses must be completed prior to admission into the Practical Nurse Program. All prerequisite coursework must be completed with a minimum grade of C (not a C-) in each course and a minimum cumulative GPA in prerequisite coursework of 2.5. Grades in prerequisite courses are a major factor in ranking applications for program acceptance.

Science courses must be completed within five (5) years of application to the program, and other courses must be completed within 15 years of applying to the program.

Course	Title	Credits	Grade/Sem
FIRST SEMESTER			
PSYX 100	Introduction to Psychology +	3	_____
WRIT 101	College Writing I **,+	3	_____
Select one of the following			
BIOH 104	Basic Human Biology & Lab **,+	4	_____
OR BOTH			
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
AND			
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
Select one of the following			
M 120	Mathematics with Health Care Applications **,+	3	_____
M 121	College Algebra **,+	3	_____
M 140	College Math for Healthcare **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
NOTE: STAT 216 Intro to Statistics will no longer be accepted as a math substitution effective Fall 2014. For transfer students, M 115 Probability and Linear Math will be accepted.			
Subtotal		13-18	_____

Program Course Requirements After Formal Acceptance

Once enrolled in nursing courses, a minimum of a grade of C in all courses is required to continue in the program. In the clinical setting, students must achieve a grade of 75% in all rotations of each clinical experience.

The courses listed below are required in the program of study for the Associate of Applied Science degree in Practical Nursing. The courses are offered at GFC MSU in the following sequence:

Course	Title	Credits	Grade/Sem
First Year			
Fall			
NRSG 130	Fundamentals of Nursing *,+	3	_____
NRSG 131	Fundamentals of Nursing Lab *,+	3	_____
NRSG 135	Pharmacology for Practical Nurses *,+	3	_____
NRSG 136	Pharmacology for Practical Nurses Lab *,+	1	_____
NRSG 152	Gerontology and Community Nursing *,+	2	_____
NRSG 153	Gerontology and Community Nursing Clinical *,+	2	_____
	Credits	14	
Spring			
NRSG 140	Adult Health Nursing *,+	4	_____
NRSG 141	Adult Health Nursing Clinical *,+	2	_____
NRSG 142	Nursing Care of Women and Children *,+	3	_____
NRSG 143	Nursing Care of Women and Children Clinical *,+	1	_____
NRSG 148	Leadership Issues for Practical Nurse *,+	2	_____
NRSG 149	Leadership Issues for Practical Nurse Clinical *,+	1	_____
	Credits	13	
	Total Credits	27	

TOTAL PROGRAM CREDITS: 40

Suggested Electives

These courses are highly recommended in addition to standard nursing curriculum.

Course	Title	Credits	Grade/Sem
AHMS 144	Medical Terminology	3	_____
Any NASX prefix course		3	_____
NUTR 221	Basic Human Nutrition	3	_____
Any PSYX prefix course		3	_____

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C or above is required for graduation.

Registered Nurse

Associate of Science Degree

Program Director: Lauren Swant

Program Faculty: Kaylene Strutz, Mandilynn Lee, Heather Smith and Julie Derby

This Associate of Science degree has articulated coursework in Registered Nursing for students interested in a Bachelors of Science degree in Registered Nursing at Montana Tech. (p. 130)

Program Website (http://www.gfcmsu.edu/webs/nursing/)

RN curriculum Program Application (http://www.gfcmsu.edu/webs/nursing/ documents/Registered_Nurse_Application.pdf) (Fall 2020 application available February 14th)

Registered Nurses (RNs) work to promote good health and prevent illness. They educate patients and the public about various medical conditions, treat patients and help in their rehabilitation, and provide advice and emotional support to patients' families. RNs use considerable judgement in providing a wide variety of services. The Registered Nurse Program at Great Falls College MSU is currently approved by the Montana State Board of Nursing. Upon completion of the Associate of Science in Registered Nursing, students will be prepared to begin a successful career as a registered nurse. Students are prepared to sit for the national licensure examination for registered nursing.

The Registered Nurse Program is a limited enrollment program with an intake of 30 students. Interested students must apply for entry into the program. An application packet with the criteria for admission is available on the program website.

- The length of the program after acceptance is four consecutive semesters.
- Accepted students will be required to provide proof of Health Care Provider CPR certification, a DOT-compliant urine drug screen, a background check, and a series of other specific immunizations. Further detailed information will be included in the acceptance packet.
- The Hepatitis B immunization series is strongly recommended before entrance into the program. A student may be denied access to clinical rotations without an adequate Hepatitis B titer. Students having religious or personal conflicts against receiving the Hepatitis B vaccine must sign a release form.

Outcomes
Graduates are prepared to:

- Administer effective and ethical individual patient care, utilizing human needs as a foundation for assessing behaviors.
- Assign priorities to desired nursing assessments and interventions based on desired outcomes and planning needs.
- Incorporate knowledge of cultural, religious, and socioeconomic factors to provide nursing care for individuals in a variety of healthcare settings.
- Coordinate, delegate, and prioritize the delivery of care aimed at meeting the needs of patients, communities of patients, and their families.
- Practice collaboratively within the RN scope of practice, legal, and ethical frameworks, and within national and state standards of nursing practice.
- Use communication that is effective and therapeutic, along with technology, to implement problem solving processes in the evidence-based delivery of patient care.

Estimated Cost
Estimated Resident Program Cost*

Tuition and Fees	$8,544
Application Fee	$30
Uniforms	$225
Lab/Course Fees	$564
Program Fee	$400
Books/Supplies	$4,308
Total	$14,071

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements
Prerequisites

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Prerequisite Coursework

The following courses must be completed prior to admission into the Registered Nurse Program. All prerequisite coursework must be completed with a minimum grade of C (not a C-) in each course and a minimum cumulative GPA in prerequisite coursework of 2.5. Grades in prerequisite courses are a major factor in ranking applications for program acceptance.

Science courses must be completed within five (5) years of application to the program, and other courses must be completed within 15 years of applying to the program.

Course	Title	Credits	Grade/Sem
FIRST SEMESTER			
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
Select one of the following:			
M 121	College Algebra **,+	3	_____
M 140	College Math for Healthcare **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
NOTE: STAT 216 Intro to Statistics will no longer be accepted as a math substitution effective Fall 2014. For transfer students, M 115 Probability and Linear Math will be accepted.			
Subtotal		14-15	_____

Program Course Requirements After Formal Acceptance

Once enrolled in Registered Nurse program, a minimum of a grade of C in all courses is required to continue in the program. In the clinical setting, students must achieve a grade of 75% in all rotations of each clinical experience.

Students are encouraged to take BIOH 211, PSYX 100, SOCI 101, and BIOM 250 with Lab prior to program acceptance due to workload requirements of the RN program.

The courses listed below are required in the program of study for the Associate of Science in Registered Nursing. The courses are offered at Great Falls College MSU in the following sequence:

Course	Title	Credits	Grade/Sem
First Year			
Fall			
BIOH 211	Human Anat Phys II & Lab(=311) *, +	4	_____
NRSG 230	Nursing Pharmacology *, +	3	_____
NRSG 231	Nursing Pharmacology Lab *, +	2	_____
NRSG 232	Foundations of Nursing *, +	3	_____
NRSG 233	Foundations of Nursing Lab *, +	3	_____
	Credits	15	
Spring			
NRSG 234	Adult Nursing I *, +	3	_____
NRSG 235	Adult Nursing I Clinical *, +	2	_____
NRSG 236	Health and Illness of Maternal Nursing *, +	2	_____
NRSG 237	Health and Illness of Maternal Nursing Clinical *, +	1	_____
NRSG 256	Pathophysiology *, +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
	Credits	14	
Second Year			
Fall			
NRSG 244	Adult Nursing II *, +	3	_____
NRSG 245	Adult Nursing II Clinical *, +	2	_____
NRSG 246	Health and Illness of Child and Family Nursing *, +	2	_____
NRSG 247	Health and Illness of Child and Family Nursing Clinical *, +	1	_____
NRSG 255	Mental Health Concepts Clinical *, +	1	_____
NRSG 254	Mental Health Concepts *, +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
	Credits	15	
Spring			
BIOM 250	Microbiology for Hlth Sci wLab *, +	4	_____
NRSG 259	Adult Nursing III *, +	3	_____
NRSG 260	Adult Nursing III Lab *, +	1	_____
NRSG 261	Adult Nursing III Clinical *, +	2	_____
NRSG 267	Managing Client Care for the RN Clinical *, +	2	_____
NRSG 266	Managing Client Care for the RN *, +	2	_____
	Credits	14	
	Total Credits	58	

Total Program Credits: 73

Suggested Electives

These courses are highly recommended in addition to the standard nursing curriculum.

Course	Title	Credits	Grade/Sem
Suggested Electives			
These courses are highly recommended in addition to the standard nursing curriculum.			
AHMS 144	Medical Terminology	3	_____
Any NASX prefix course		3	_____
NUTR 221	Basic Human Nutrition	3	_____
Select one of the following:			
PSYX 230	Developmental Psychology	3	_____
PSYX 240	Fundamentals of Abnormal Psychology	3	_____

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of C or above is required for graduation.

Renewable Energy Technician

Overview

Associate of Applied Science Degree

Program Director: Karry Hardman

Program Website (http://www.gfcmsu.edu/webs/industrialtech/)

The Renewable Energy Technician Associate of Applied Science degree program prepares graduates for technician jobs in the rapidly expanding renewable energy industry. Program graduates have general skills in industrial safety, electrical troubleshooting, hydraulic and pneumatic system operation, and mechanical system repair. They also have specialized skills in programmable logic controls, digital electronics, and wind turbine operations and maintenance. These specialized skills are built on a strong educational foundation in math, writing, communications, and computing.

For more information on other programs in this field, visit the catalog pages for the Industrial Technician CAS (p. 59) and the Industrial Technician AAS (p. 59).

Outcomes

Graduates are prepared to:

- Identify and practice safe workplace habits.
- Demonstrate familiarity with basic electrical tools and the ability to troubleshoot a basic electrical system.
- Demonstrate familiarity with basic mechanical tools and the ability to repair a basic mechanical system.
- Demonstrate a basic understanding of hydraulic and pneumatic systems.
- Demonstrate an understanding of both conventional and renewable energy sources.

- Demonstrate the ability to use personal computers and common operating systems and applications software.
- Develop and practice professional standards of workplace communication and interpersonal skills.
- Demonstrate wind industry safety skills, including climbing, rescue, and confined space procedures.
- Demonstrate a basic understanding of AC and DC variable speed motor drives.
- Demonstrate a basic understanding of programmable logic controllers.
- Demonstrate a basic understanding of digital electronics.
- Demonstrate an understanding of wind turbine operations and maintenance procedures.
- Demonstrate an understanding of college-level algebra.
- Demonstrate an understanding of motor control circuits and how they operate.

Estimated Cost

Estimated Resident Program Cost*

Tutiion and Fees	$6,835
Application Fee	$30
Program Fee	$1,000
Books/Supplies	$1,947
Total	$9,813

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
ECP 100	First Aid & CPR +	1	_____
ELCT 120	Basic Industrial Controls *,+	3	_____
ETEC 101	AC/DC Electronics I *,+	3	_____
NRGY 120	Industrial Safety and Rigging *,+	3	_____
NRGY 130	Fundmtl of Mechanical Systems *,+	3	_____
Select one of the following:			
M 105	Contemporary Mathematics **,+	3	_____
M 121	College Algebra **, +	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
	Credits	16-17	
Spring			
MCH 130	Machine Shop *, +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
ETEC 103	AC/DC Electronics II *,+	3	_____
ELCT 130	Elec Motors and Generators *,+	3	_____
NRGY 110	Fundmtl Hydraul/Pneu Systems *,+	3	_____
WRIT 104	Workplace Communications +	2	_____
	Credits	17	
Second Year			
Fall			
CAPP 131	Basic MS Office +	3	_____
ETEC 220	ElectricalPower/Distribution I *,+	3	_____
ETEC 231	Electronic Drive Systems *,+	3	_____
ETEC 245	Digital Electronics *,+	4	_____
ELCT 250	Programmable Electronic Contro *,+	3	_____
	Credits	16	
Spring			
CAPP 156	MS Excel *,+	3	_____
ETEC 230	Electric Power/Distribution II *,+	3	_____
NRGY 101	Intro to Sustainable Energy *,+	3	_____
NRGY 210	Wind Technician Safety *,+	4	_____
NRGY 230	Wind Turb Operations & Maint *,+	3	_____
	Credits	16	
	Total Credits	65-66	

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

+ A grade of C- or above is required for graduation.

Respiratory Care

Associate of Applied Science Degree

Program Director: Leonard Bates
Program Faculty: Brian Cayko

NOTE: This program is currently under review. Please contact Advising & Career Center with questions. 406-771-5100

Program Website (http://www.gfcmsu.edu/webs/RespiratoryCare/)

Program Application (no Fall 2020 intake)

Most people take breathing for granted. It's second nature, an involuntary reflex. But for the thousands who suffer from breathing problems, each breath is a major accomplishment. Those people include patients with chronic lung problems such as asthma, bronchitis, and emphysema; heart attack and accident victims; premature infants; and people with cystic fibrosis, lung cancer, and AIDS.

In each case the patient will likely receive treatment from a Respiratory Therapist (RT) under the direction of a physician. RTs work to evaluate, treat, and care for patients with breathing disorders. They are a vital part of a hospital's lifesaving response team that answers patient emergencies.

While most RTs work in hospitals, an increasing number have branched out into alternative care sites, such as nursing homes, physicians' offices, home health agencies, specialized care hospitals, medical equipment supply companies, and patients' homes.

RTs perform both diagnostic and therapeutic procedures, such as:

- Obtaining and analyzing sputum and breath specimens;
- Taking blood specimens and analyzing them to determine levels of oxygen, carbon dioxide, and other gases;
- Interpreting data obtained from specimens;
- Measuring the capacity of patients' lungs to determine if there is impaired function;
- Performing studies on the cardiopulmonary system;
- Studying disorders of people with disruptive sleep patterns;
- Operating mechanical ventilators for patients who cannot breath adequately;
- Delivering inhaled medications and medical gases;
- Teaching patients with lung disorders to maintain meaningful and active life systems.

RTs work collaboratively with other healthcare practitioners. Critical thinking and problem solving skills are mandatory for success in this environment. Strong verbal and written communication skills are necessary when interacting with other members of the multidisciplinary health care team as well as the patients and families. Such a role also requires a broad educational background in English composition, communication, and interpersonal relations. Computer literacy is especially important in today's health care environment.

The RT Program is a two-year program designed to help students develop the knowledge, skills, and professional attitude necessary for a successful career in RT. Upon completion of the AAS degree in RT, graduates will be prepared to begin a career as an Advanced Practitioner RT. Graduates are eligible to take the National Board for Respiratory Care (NBRC) Entry Level and the Advanced Practitioner examinations.

The RT program is accredited by the Commission on Accreditation of Respiratory Care Program.

Information about Great Falls College MSU's Respiratory Therapist Program is posted on the Commission on Accreditation for Respiratory Care (CoARC) web site (http://www.coarc.com/47.html). You can see information about our program by selecting the interactive map of CoARC program data and then Great Falls from the map. Graduate job placement and credentialing success as well as program attrition data for all CoARC accredited program is also posted at this site. Click on Outcomes data from the Annual Report of Current Status. Programs are listed by state.

Outcomes

Graduates are prepared to:

- Practice as a registered RT in the healthcare delivery system.
- Comply with the standards-of-practice and ethical code of the American Association for Respiratory Care.
- Apply critical thinking and problem solving skills to patient care.
- Demonstrate effective verbal and written communication as well as good interpersonal skills.
- Safely and correctly utilize current technology and equipment in the practice of Respiratory Care.

Estimated Cost

Estimated Resident Program Cost *

Tuition and Fees	$10,253
Application Fees	$30
Course Fees	$366
Program Fee	$280
Books/Supplies	$2,534
Total	$13,463

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Prerequisite Courses and Skills

Background in basic science and math is essential to prepare applicants to succeed in the RT Program.

Recommended (not required) courses:

Course	Title	Credits	Grade/Sem
BIOM 250	Microbiology for Hlth Sci wLab	4	_____
AHMS 144	Medical Terminology	3	_____

Prior to admission to the RT program, students must have completed high school chemistry with a grade of B or above within the past five (5) years and demonstrate computer literacy. (Students without high school courses should consult the RT Program Director about the appropriate college coursework to meet this requirement.)

The Great Falls College MSU RT Program is a limited enrollment program, accepting a restricted number of students each year. Interested students are urged to contact the RT Program Directory or Advising and Career Center Advisors for student advising specific to admission requirements and criteria for program acceptance.

Prior to formal program acceptance, the applicant must successfully complete all of the program prerequisites with a minimum grade of C-.

Required Prerequisite Courses

Course	Title	Credits	Grade/Sem
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
Select one of the following:			
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
Select one of the following:			
M 121	College Algebra **,+	3	_____
M 140	College Math for Healthcare **,+	3	_____
Total Credits		13	_____

** Placement in course(s) is determined by placement assessment.

+ A grade of C- or above is required for graduation.

Program Course Requirements After Formal Acceptance

The courses below are to be taken in the order that they are listed. Admission into the RT Program and completion of the previous semester are required.

A grade of C- or above must be earned in all required courses to continue in and graduate from the program. CPR certification is a prerequisite for entrance into clinical courses. Each student is required to sign a clinical contract defining their professional responsibilities and behavior and must

complete two to four weeks of clinic outside of Great Falls during the summer semester.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
AHRC 152	Respiratory Care *,+	3	_____
AHRC 155	Respiratory Physiology *,+	3	_____
AHRC 170	Respir Care Tech & Proced I *,+	5	_____
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
	Credits	15	
Spring			
AHRC 140	Respiratory Care Clinic I *,+	3	_____
AHRC 171	Resp Care Tech & Proced II *,+	5	_____
AHRC 180	Ventilator Management *,+	3	_____
AHRC 254	Pulmonary Assessment *,+	2	_____
	Credits	13	
Summer			
AHRC 141	Respiratory Care Clinic II *,+	4	_____
AHRC 262	Neonatal Respiratory Care *,+	3	_____
	Credits	7	
Second Year			
Fall			
AHRC 240	Respiratory Care Clinic III *,+	4	_____
AHRC 245	Resp Care Clinical Seminar I *,+	1	_____
AHRC 251	Hemodynamic Monitoring *,+	4	_____
AHRC 274	Pulmonary Diseases *,+	2	_____
ECP 212	Advanced Cardiac Life Support *,+	1	_____
	Credits	12	
Spring			
AHRC 241	Respiratory Care Clinic IV *,+	4	_____
AHRC 246	Resp Care Clinical Seminar II *,+	1	_____
AHRC 264	Respiratory Care In Alt Sites *,+	1	_____
AHRC 273	Pulmonary Function Testing *,+	2	_____
AHRC 280	Supervisory Management *,+	2	_____
ECP 241	Pediatric Advanced Life Supprt *,+	1	_____
HTH 120	IV Therapy for HC Providers *,+	1	_____
	Credits	12	
	Total Credits	59	

TOTAL PROGRAM CREDITS: 72

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

+ A grade of C- or above is required for graduation.

Surgical Technology

Associate of Applied Science Degree

Program Director: Daisy Gibson

A hybrid option is available for this program. Please contact the Program Director for more information.

Program Website (http://www.gfcmsu.edu/webs/surgtech/)

Program Application (http://gfcmsu.edu/webs/surgtech/documents/ Surgical_Tech_Application.pdf) (Spring 2020 Application available October 2nd)

What is a Surgical Technologist?

Are you a detail-oriented person looking for a rewarding health career? Would you like a job where you can make a real difference in a patient's life? If you think you would thrive in the fast-paced world of a hospital operating room, consider a career as a surgical technologist! You may be able to hold a beating heart in your hand. You may be part of a team in the operating room that works on replacing a total hip or knee in the orthopedic rotation at your site. You will certainly hand many different instruments to the surgeon in the correct fashion and at the correct time. You will be the keeper of the sterile field. The goal is for surgical technologists to be able to anticipate the next move the surgeon is going to make in order to make the surgical procedure as smooth and efficient as possible.This is a very rewarding career in the Health Science Field. It is not nursing; you do a very specific technical job and work under the RN and Surgeon.

Surgical Technologists, often referred to as "scrub nurse," "scrub tech," or "operating room tech," are integral members of the operating room team. Their role includes assisting the physician during surgery by preparing and handling instruments, equipment, supplies, and medications.

Job Opportunities

Surgical Technologists usually work within the operating room itself, which may offer specialization in specific fields such as orthopedics, plastics, ENT, ophthalmic, or cardiovascular. However, technologists may qualify for work within various medical fields such as dental assistants, veterinary assistants, procurement technicians, and instrument processing technicians without much more additional education than on-the-job training. As medical technology advances, so do the opportunities for the working surgical technologist.

Curriculum

The curriculum is designed as hybrid courses of lab, classroom, online instruction and surgery clinicals to provide theoretical foundations of operating room techniques. The student will learn skills in a competency-based clinical lab and apply learned skills in the clinical facilities. Within the operating room, the student will observe and then participate in a supervised position. The student will then be expected to advance to a high level of independence by their internship.

Students who enter the program are required to rotate through clinical sites. Some clinical rotations are outside of the Great Falls area. Transportation and housing costs are the responsibility of the student.

Upon completion of the Surgical Technology Program, students will be prepared to begin a career as a surgical technologist. Students are prepared to sit for the national examination to become a Certified Surgical Technologist (CST).

The Surgical Technology Program will meet or exceed Accreditation Review Committee on Education in Surgical Technology & Surgical Assisting (ARC-STSA) benchmark standards on student retention, CST exam results, graduate job placement, employer satisfaction, and graduate satisfaction.

Application and Registration

The Surgical Technology Program has a limited number of students per year due to clinical space and various other factors. This requires the student to complete a program application one semester prior to the semester

they plan to begin the program. The program begins only in the spring semester. Interested students are urged to contact the Program Director or the Advising & Career Center Advisors for student advising specific to admission requirements and criteria for program acceptance.

For more detailed information please visit the program website (http://www.gfcmsu.edu/webs/surgtech/).

Program Accreditation

This program is nationally accredited through CAAHEP, the Commission on Accreditation of Allied Health Education Programs, 25400 U. S. Highway 19 North, Suite 158, Clearwater, FL 33763, 727.210.2350, mail@caahep.org, in collaboration with the Accreditation Review Committee on Education in Surgical Technology & Surgical Assisting (ARC-STSA).

Outcomes
Graduates are prepared to:

- Work with surgeons, anesthesiologists, nurses, and other health professionals in providing direct or indirect patient care while demonstrating positive workmanship, ethics, professionalism and effective communication skills in the surgical setting.
- Practice critical thinking with professional, value directed actions based on didactic and clinical knowledge, ethical principles and legal standards as a member of the surgical team.
- Organize surgical instrumentation, supplies and equipment in an efficient manner while utilizing principles of aseptic technique for physical preparation and maintenance of the surgical environment.
- Demonstrate understanding of technical literacy and biomedical sciences and technology as it applies to the patient focused events that occur in the operating room.
- Promote lifelong learning fostering the development of professional and personal growth, engaged citizenship and leadership.
- Perform under pressure in stressful and emergency surgical situations.
- Meet the Accreditation Review Council on Surgical Technology and Surgical Assisting (ARCSTSA) benchmark pass rate for the CST exam.

Estimated Cost
Estimated Resident Program Cost*

Tuition and Fees	$8,544
Application Fee	$30
Lab/Program Fees	$709
Books/Supplies	$3,134
Total	$12,418

*   **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Prerequisite Courses

Course	Title	Credits	Grade/Sem
AHMS 144	Medical Terminology +	3	_____
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
BIOM 250	Microbiology for Hlth Sci wLab *,+	4	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
M 090	Introductory Algebra (OR higher) **,+	3	_____
PSYX 100	Introduction to Psychology +	3	_____
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
Subtotal		23	_____

Program Course Requirements After Formal Acceptance

The courses below are to be taken in the order that they are listed. Admission into the Surgical Technology program is mandatory to qualify to take the courses below.

A grade of "C-" or above must be achieved in all courses to advance and graduate from the program.

Course	Title	Credits	Grade/Sem
First Year			
Spring			
AHST 101	Intro to Surgical Technology *,+	3	_____
AHST 115	Surgical Lab I *,+	3	_____
AHST 154	Surgical Pharmacology *,+	3	_____
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
PHL 221	Intro Philosophy &Biomed Ethcs +	3	_____
	Credits	16	
Fall			
AHST 200	Operating Room Techniques *,+	5	_____
AHST 201	Surgical Procedures I *,+	4	_____
AHST 215	Surgical Lab II *,+	3	_____
AHST 250	Surgical Clinical I *,+	4	_____
	Credits	16	
Second Year			
Spring			
AHST 202	Surgical Procedures II *,+	5	_____
AHST 251	Surgical Clinical II *,+	5	_____
AHST 295	Surgical Practicum *,+	5	_____
	Credits	15	
	Total Credits	47	

TOTAL PROGRAM CREDITS: 70

*   Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Welding Technology & Fabrication CAS

Certificate of Applied Science Degree

Program Director: Joel Sims
Faculty: Doug Zander, Monte Cobb

Program Website (http://www.gfcmsu.edu/webs/Welding/)

Program Application (http://www.gfcmsu.edu/webs/welding/documents/Welding_Application.pdf) (Fall 2020 Application available March 13th)

Note: The Welding program is a limited enrollment program. Interested students must apply for entry into the program. An application packet is available here on the GFC MSU catalog website, the Welding program website or Admissions. To be accepted into this program, students must have a qualifying placement assessment score or have completed M 065 within the last 3 years.

This program follows the National Center for Construction Education and Research (NCCER) curriculum.

Outcomes Tier 1

Graduates are prepared to:

The mission of the Great Falls College MSU Welding and Fabrication Tier 1 CTS program is to provide regional competent, skilled, and credentialed work force for the welding industry.

- The Welding and Fabrication program prepares students to set up, operate, and use critical thinking skills to trouble shoot a variety of welding equipment.
- The program prepares students to gain the craftsmanship skills, computational skills and problem solving techniques essential to the welding industry.
- Throughout the program, students will develop skills in Oxy fuel cutting (OFC), Plasma arc cutting (PAC, and Carbon arc cutting (CAC-A) processes.
- Students will be able to meet safety requirements.
- Students will be able to produce welds in all positions that meet industry standards using the following process(es): Gas Metal Arc Welding (GMAW) and Flux core Arc Welding (FCAW).
- Understand the use of measuring instruments and their purpose.
- Understand power sources and current types.
- Interpret welding blueprints and weld symbols.
- Utilize oral and written communication skills in the workplace, including terminology in the welding industry.

Outcomes CAS

Graduates are prepared to:

- Meet safety requirements.
- Produce welds in all positions that meet industry standards using the following process(es):
  - Shielded Metal Arc Welding (SMAW)
  - Flux Cored Arc Welding (FCAW)
- Will be exposed to:

- Gas Metal Arc Welding (GMAW)
- Gas Tungsten Arc Welding (GTAW)
- Make cuts that meet industry standards in the following process(es):
  - Oxy-Fuel Cutting (OFC)
  - Plasma Arc Cutting (PAC)
  - Air Carbon Arc Cutting (CAC-C)
- Understand the use of measuring instruments and their purpose.
- Understand power sources and current types.
- Interpret welding blueprints and weld symbols.
- Utilize basic welding metallurgy.
- Utilize oral and written communication skills in the workplace, including terminology in the welding industry.

Estimated Cost

Estimated Resident Program Cost*

Welding Technology & Fabrication Certificate of Applied Science

Tuition and Fees	$3,418
Application Fee	$30
Program Fees	$1,300
Tools/Clothing	varies
Books/Supplies	$655
Total	$5,402+

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
Fall			
First Semester - After Formal Acceptance			
(Students who complete the first semester of courses are eligible for the Welding & Fabrication Tier 1 Certificate of Technical Studies degree)			
M 191B	Special Topics: Math for Weld **, +	3	_____
WLDG 100	Intro to Welding Fundamentals +	3	_____
WLDG 110	Welding Theory I +	2	_____
WLDG 111	Welding Theory I Practical +	4	_____
WLDG 117	Blueprint Rdng & Weldng Symbls +	2	_____
WLDG 145	Fabrication Basics *,+	2	_____
	Credits	16	
Spring			
COMX 102	Interprsnl Skills in Workplace +	1	_____
WLDG 120	Welding Theory II *,+	2	_____
WLDG 121	Welding Theory II Practical *,+	3	_____
WLDG 130	Intro to Structural Welding *,+	2	_____
WLDG 185	Welding Qualification Tst Prep *,+	1	_____
WLDG 205	Applied Metallurgy *,+	1	_____
WLDG 209	Basic Pipe Welding *,+	2	_____
WRIT 104	Workplace Communications +	2	_____
	Credits	14	
	Total Credits	30	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Welding Technology and Fabrication AAS

Associate of Applied Science Degree

Program Director: Joel Sims
Faculty: Doug Zander, Monte Cobb

Program Website (http://www.gfcmsu.edu/webs/Welding/)

AAS Program Application (http://www.gfcmsu.edu/webs/welding/documents/Welding_Application_AAS.pdf) (Fall 2020 application available March 13th)

Note: The Welding program is a limited enrollment program. Interested students must apply for entry into the program. An application packet is available here on the GFC MSU catalog website, the Welding program website or Admissions.

This program follows the National Center for Construction Education and Research (NCCER) curriculum.

Outcomes Tier 3

Graduates are prepared to:

- Produce welds in all positions that meet industry standards using the following process(es) with 3'-6' schedule 80 pipe:

- GTAW
- SMAW
- GMAW
- FCAW
- Will be exposed to:
  - Pipe groove joints
  - Pipe layout tools
  - Metal Identification
  - Braze and weld cast iron
  - Hard surface
- Use Computer Aided Design software to:

  - Draw and edit a 2D object

  - Annotate a drawing

  - Plot and scale drawings

Outcomes AAS

Graduates are prepared to:

- Produce welds in all positions that meet industry standards using the following process(es) with 3'-6' schedule 80 pipe:
  - GTAW
  - SMAW
  - GMAW
  - FCAW
- Will be exposed to:
  - Pipe groove joints
  - Pipe layout tools
  - Metal Identification
  - Braze and weld cast iron
  - Hard surface
- Use Computer Aided Design software to:
  - Draw and edit a 2D object
  - Annotate a drawing
  - Plot and scale drawings
- Learn to set up and weld aluminum plate using spool guns in all positions on plate of various thicknesses including groove, fillet and spot welds.
- Weld aluminum plate using the TIG process in all positions and various thicknesses including groove, fillet and spot welds.
- Learn the benefits of PULSE ARC technology and how it effects the weld, base metal, and the welder.
- Learn to weld aluminum using spool gun Pulse in all positions on plate of various thicknesses including groove, fillet and spot welds.
- Learn how to troubleshoot and fix problems with machines, spool guns, TIG torches and assemblies, base metal conditions and shielding gasses.
- Demonstrate the ability to take general arrangements blueprints and break them down into shop drawings.
- Properly dimension and detail shop drawings.
- Include weld symbols into shop drawings.
- Demonstrate machine set-up for the successful welding of aluminum, stainless steel, carbon steel;
- Demonstrate machine tool set-up/operation...press brake, Shear, lathe, milling machine, various welding machines, for the successful forming, machining and welding of metals;

- Demonstrate the ability to plan, design and construct a project to industry standards.
- For graphic design and documentation, AutoCAD will be used;
- Demonstrate fillet and groove welding to American Welding Society standards.

Estimated Cost

Estimated Resident Program Cost*

Welding Technology & Fabrication Associate of Applied Science

Tuition and Fees	$6,835
Application Fee	$30
Program Fees	$2,400
Tools/Clothing	varies
Books/Supplies	$913
Total	$10,179+

* **Fall 2019 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number

of program credits. Students should review their math and writing placement before planning out their full program schedules.

Course	Title	Credits	Grade/Sem
Fall			
First Semester - After Formal Acceptance for the CAS degree			
(Students who complete the first semester of courses are eligible for the Welding & Fabrication Tier 1 Certificate of Technical Studies degree)			
M 191B	Special Topics: Math for Weld **, +	3	_____
WLDG 100	Intro to Welding Fundamentals +	3	_____
WLDG 110	Welding Theory I +	2	_____
WLDG 111	Welding Theory I Practical +	4	_____
WLDG 117	Blueprint Rdng & Weldng Symbls +	2	_____
WLDG 145	Fabrication Basics +	2	_____
	Credits	16	
Spring			
(Students who complete the first and second semesters of courses are eligible for the Welding			

Technology & Fabrication Certificate of Applied Science degree.)

Course	Title	Credits	Grade/Sem
COMX 102	Interprsnl Skills in Workplace +	1	_____
WLDG 120	Welding Theory II *,+	2	_____
WLDG 121	Welding Theory II Practical *,+	3	_____
WLDG 130	Intro to Structural Welding *,+	2	_____
WLDG 185	Welding Qualification Tst Prep *,+	1	_____
WLDG 205	Applied Metallurgy *,+	1	_____
WLDG 209	Basic Pipe Welding *,+	2	_____
WRIT 104	Workplace Communications +	2	_____
	Credits	14	
Second Year			
Fall			
First Semester - After Formal Acceptance into the AAS degree			
Students who complete the third semester of courses are eligible for the Welding and Fabrication Tier 3 Certificate of Technical Studies			
DDSN 114	Introduction to CAD *,+	3	_____
WLDG 212	Pipe Welding and Layout (integrated lab) *,+	4	_____
WLDG 260	Repair & Maintenance Welding *,+	3	_____
WLDG 280	Weld Testing Certification *,+	3	_____
Pick one of the following:			
BGEN 105	Introduction to Business +	3	_____
WLDG 298	Welding Internship *,+	3	_____
	Credits	16	
Spring			
WLDG 217	Advanced Blueprint *,+	2	_____
WLDG 237	Aluminum Welding Processes *,+	4	_____
WLDG 245	Metal Fabrication Design and Construction *,+	5	_____
WLDG 281	Weld Testing Certification Lab *,+	2	_____
WRIT 121	Intro to Technical Writing **,+	3	_____
	Credits	16	
	Total Credits	62	

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of C- or above is required for graduation.

Transfer Agreements

What are Articulation Agreements?

Great Falls College MSU has a number of articulation agreements with Montana public and private colleges and universities. These agreements make it possible for students to plan a program of study that begins with an associate degree at Great Falls College MSU and leads to a four-year degree from a college or university. These agreements are designed to maximize the number of credits students will be able to transfer and to minimize students' time to degree. Areas of concern such as admissions, financial aid, course requirements, and contact information are clearly discussed.

Articulation agreements are made with specific programs at the four-year colleges and universities. Each agreement specifies how coursework in the associate degree program applies to the baccalaureate degree program at the four-year college or university. Each agreement outlines the appropriate and recommended courses to complete at Great Falls College MSU and also specifies courses that must be taken at the four-year college or university to complete the program. Any deviation from the articulation agreement will nullify the guarantee they provide.

Students interested in attending Great Falls College MSU and utilizing an articulation agreement listed in the catalog are encouraged to indicate their interest in one of the articulation agreements to an Academic Advisor prior to or during their first term in attendance.

Accounting

Associate of Arts to MSU-Billings (p. 76)

Associate of Arts to University of Providence (p. 78)

Associate of Arts to MSU-Billings

Associate of Arts Degree with Accounting Coursework Transfer to MSU Billings

The Associate of Arts with articulated coursework in Accounting is designed for students interested in a baccalaureate degree in Accounting at Montana State University Billings.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are Prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost

Estimated Resident Program Cost *

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application and Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, writing, and biology courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 32 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **, +	3	_____
M 171	Calculus I **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Fine Arts			
Select one of the following:			
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
Humanities			
Select one of the following:			
LIT 110	Intro to Lit +	3	_____
PHL 110	Introduction to Ethics +	3	_____

Natural Science - 8 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select one of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
Select one of the following:			
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
ECNS 201	Principles of Microeconomics +	3	_____
Select one of the following:			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV . Concentration in Accounting, Arts, Business, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
ACTG 101	Accounting Procedures I **,+	3	_____
ACTG 102	Accounting Procedures II **,+	3	_____
BGEN 105	Introduction to Business +	3	_____

V. Articulated Coursework - 17 Credits

Course	Title	Credits	Grade/Sem
Select from the following:			
ACTG 201	Principles of Fin Acct *,+	3	_____
ACTG 202	Principles of Mang Acct *,+	3	_____
BGEN 235	Business Law *,+	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
STAT 216	Introduction to Statistics **,+	4	_____
WRIT 122	Intro to Business Writing **,+	3	_____

TOTAL PROGRAM CREDITS: 64

*   Indicates prerequisites needed

**   Placement in course(s) is determined by placement assessment

+   A grad of C- or above is required for graduation

Outline for Completion of the Bachelor of Science in Business Administration - Accounting Option from MSU Billings

The Associate of Arts with Articulated coursework in Business is designed for students interested in a baccalaureate degree in Business Administration - Accounting Option at MSU Billings. The following courses would be taken at MSU Billings after transfer with the Associate of Arts coursework completed at GFC MSU.

COB Productivity Application Software Proficiency Exam

BUS	315	Applied Business Decisions	3
MGMT	321	Principles of Management	3
MIS	330	Principles of Management Information Systems	3
MKT	340	Principles of Marketing	3
FIN	351	Principles of Financial Management	3

MGMT	322	Operations Management	3	
MGMT	488	Business Strategy	3	
ACTG	301	Intermediate Accounting I	3	
ACTG	302	Intermediate Accounting II	3	
ACTG	303	Intermediate Accounting III and Theory	3	
ACTG	410	Cost/Management Accounting I	3	
ACTG	415	Government and Not-for-Profit Accounting I	3	
BUS	405	Business Law II	3	
ACTG	321	Accounting Information Systems I	3	
ACTG	401	Principles of Fed Tax - Individuals	3	
ACTG	411	Auditing I	3	
ACTG	436	Advanced Accounting	3	
Restricted Electives			6	
Electives			7	

Total Program Credits: 120

Associate of Arts to University of Providence

Associate of Arts Degree With Accounting Coursework Transfer To University of Providence

The Associate of Arts with articulated coursework in Accounting is designed for students interested in a baccalaureate degree in Accounting at the University of Providence.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fes	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, writing, and biology courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 33 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____

Mathematics - 4 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Fine Arts			
Select one of the following:			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
Humanities			
Select one of the following:			
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
WGSS 242	Gender and Equality +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Science/History - 6 Credits

Course	Title	Credits	Grade/Sem
ECNS 201	Principles of Microeconomics +	3	_____
Select one of the following:			
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
NASX 204	Intro to NA Beliefs & Philsphy ((N)) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem

Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV . Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
ACTG 101	Accounting Procedures I **,+	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
WRIT 201	College Writing II *,+	3	_____

V. Articulated Coursework - 16 Credits

Course	Title	Credits	Grade/Sem
Select any of the following:			
ACTG 102	Accounting Procedures II **,+	3	_____
ACTG 201	Principles of Fin Acct *,+	3	_____
ACTG 202	Principles of Mang Acct *,+	3	_____
BGEN 105	Introduction to Business +	3	_____
BGEN 235	Business Law *,+	3	_____
CAPP 156	MS Excel *,+	3	_____

Total Program Credits: 63

*   Indicates prerequisites needed

**   Placement in course(s) is determined by placement assessment

\+   A grad of C- or above is required for graduation

Outline for Completion of the Bachelor of Science in Accounting Degree From The University of Providence

The Associate of Arts with articulated coursework in Accounting is designed for students interested in a baccalaureate degree in Accounting at the University of Providence.

Remaining University Requirements

Course	Title	Credits	Grade/Sem
Remaining general education credits and goal areas		13	_____
ACC 371	Intermediate Financial Acct I	4	_____
ACC 372	Intermediate Financial Acct II	4	_____
ACC 373	Intermediate Fin Acct III	3	_____
ACC 380	Principles of Cost Management	3	_____
ACC 415	Gov & Not-for-Profit Acc	3	_____
ACC 422	Principles of Attestation & Audit	3	_____
ACC 425	Advanced Financial Acct I	3	_____
ACC 450	Acc Info Systems	3	_____
ACC 481	Advanced Cost Managment	3	_____
BUS 301	Art of Communication	3	_____
BUS 335	Commercial Law	3	_____
BUS 413	Financial Analysis II	3	_____
ECN 215	Managerial Economics	3	_____
Electives		5	_____

III. Total Credits Toward Degree

63 Credits (AA from GFC MSU)

57 Credits (BS–UP)

120 Total Credits

UP Graduation Requirements:

1. Complete a minimum of 128 credits.
2. Maintain a cumulative University of Providence grade point average of 2.00 or higher.
3. Complete the University Core curriculum.
4. Complete a major. All courses used to complete the requirements of a major, minor, or concentration must have a grade of C or better. Some majors may require completion of a minor or concentration.
5. Complete thirty of the last forty semester hours of coursework at the University of Providence. Students enrolled in an approved Servicemembers Opportunity Colleges Army Degree (SOCAD) program may satisfy the academic residency requirements with coursework taken at any time during their enrollment at the university.
6. Complete a minimum of 40% or 15 credits of their major (whichever is greater) and a minimum of 40% of their minor in residency at the University of Providence. Completion of credits within a concentration will not count toward residency in the major. This requirement does not apply to those completing an approved major or minor in University Studies.
7. Complete at least thirty-two credits in upper division coursework (courses numbered 300 or higher), at least sixteen of which must be from the University of Providence. (Students should complete at least twelve of these credits in coursework outside the student's major and minor or concentration.)
8. Apply for graduation in accordance with the prescribed deadlines.
9. Comply with all university policies, rules, and regulations.
10. Pay all indebtedness to the university.

Bachelors of Arts

- Associate of Arts to Park University (p. 80)
- Associate of Science to Park University (p. 82)

Associate of Arts to Park University

Associate of Arts Degree with Transfer to a Bachelor of Arts at Park University

The Associate of Arts with articulated coursework is designed for students interested in a baccalaureate degree in Park University.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate

program. To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic or career tasks.
- Think critically in evaluating information, solving problems and decision-making.
- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance **(**http://students.gfcmsu.edu/insurance.html**) website and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
M 105	Contemporary Mathematics **, +	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem

Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits +

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in arts, humanities, and social sciences. (ACTG) Accounting, (ARTH, ARTZ) Art, (ANTY) Anthropology, (BGEN, BMGT, BMKT) Business, (COMX) Communication, (ECNS) Economics, (EDU 221 only) Educational Psychology, (HSTA, HSTR) History, (LSH) Humanities, (LIT) Literature, (MUSI) Music, (NASX) Native American Studies, (PHL) Philosophy, (PSCI) Political Science, (PSYX) Psychology, (SIGN) American Sign Languages, (SOCI) Sociology, (SPNS) Spanish, and (WRIT) Writing (except WRIT 095 or WRIT 098).

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA

V. Electives - 17 Credits

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University.

TOTAL PROGRAM CREDITS: 60

* Indicates prerequisite needed
** Placement in course(s) is determined by placement assessment
+ A grade of C- or above is required for graduation

Outline For Completion of Bachelor of Arts Degree from Park University

I. General Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
Completion of two 4-hour elementary level modern language courses (103 & 104)		8	_____
OR the second 4-hour elementary level modern language course (104) and one 3-hour intermediate course (201)			
OR one 3-hour intermediate course			
EN 306	Professional Writing in Discipline	3	_____

II. Core Requirements

Course	Title	Credits	Grade/Sem
Varies by selected degree			
Upper division credits required		36	_____
(Some GFC MSU courses may transfer as upper-division credits)			

TOTAL CREDITS: 122*

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

* Bachelor of Arts degree requires a Minor

Associate of Science to Park University

Associate of Science Degree with Transfer to a Bachelor of Arts at Park University

The Associate of Science with articulated coursework is designed for students interested in a baccalaureate degree in Park University.

The Associate of Science (AS) Degree includes education in specific knowledge areas, most typically in math and natural sciences. Focusing on integration of information while increasing a student's employability, the AS is designed for transferability to a baccalaureate program.

To receive the AS degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically in evaluating information, solving problems, and decision-making.
- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance **(**http://students.gfcmsu.edu/insurance.html**) website and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
M 105	Contemporary Mathematics **, +	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Math and Science - 9 Credits

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in math and sciences. (BIOB) (BIOH) (BIOM) Biology, (CAPP) Computer Applications, (CHMY) Chemistry, (CSCI) Computer Science/Programming, (GEO) Geology, (ITS) Information Technology Systems, (M) Math** (exceptM 108, M 191A, or M 191B), (PHSX) Physics, (STAT) Statistics.

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA.

V. Electives - 17 Credits

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University.

TOTAL PROGRAM CREDITS: 60

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

\+ A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Arts Degree from Park University

I. Liberal Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
Completion of two 4-hour elementary level modern language courses (103 & 104)		8	_____
	OR the second 4-hour elementary level modern language course (104) and one 3-hour intermediate course (201)		
	OR one 3-hour intermediate course		
EN 306	Professional Writing in Discipline	3	_____

II. Core Courses

Course	Title	Credits	Grade/Sem
Varies by selected degree			
Upper division credits required		36	_____
(Some GFC MSU courses may transfer as upper-division credits)			

TOTAL CREDITS: 122*

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

* Bachelor of Arts degree requires a Minor

Bachelors of Science

Associate of Arts to Park University

Associate of Arts Degree with Transfer to a Bachelor of Science at Park University

The Associate of Arts with articulated coursework is designed for students interested in a baccalaureate degree in Park University.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program. To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus,

a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic or career tasks.
- Think critically in evaluating information, solving problems and decision-making.
- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost*:

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fee	$105
Books/Supplies	$2,046
Total	$9,017

*   **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
M 105	Contemporary Mathematics **, +	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab **,+	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem

Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration In Arts, Humanities, and Social Sciences - 9 Credits

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in arts, humanities, and social sciences. (ACTG) Accounting, (ARTH, ARTZ) Art, (ANTY) Anthropology, (BGEN, BMGT, BMKT) Business, (COMX) Communication, (ECNS) Economics, Educational Psychology (EDU 221 only), (HSTA, HSTR) History, (LSH) Humanities, (LIT) Literature, (MUSI) Music, (NASX) Native American Studies, (PHL) Philosophy, (PSCI) Political Science, (PSYX) Psychology, (SIGN) American SignLanguages, (SOCI) Sociology, (SPNS) Spanish, and (WRIT) Writing.

V. Electives - 17 Credits

Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives.

Please note: Courses numbered 194 will not be applied to the concentration area, and no more than 5 credits from 194 will be applied toward the degree.

TOTAL PROGRAM CREDITS: 60

* Indicates prerequisite needed
** Placement in course(s) is determined by placement assessment
+ A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Science Degree from Park University
I. Liberal Education

Course	Title	Credits	Grade/Sem
Writing Competency Test		P	_____
EN 306	Professional Writing in Discipline	3	_____

II. Core Courses

Course	Title	Credits	Grade/Sem
Varies by selected degree			
Upper division credits required		36	_____
(some GFC MSU courses may transfer as upper division credits)			

TOTAL PARK UNIVERSITY CREDITS: 60

TOTAL CREDITS: 120

Up to 75 credits from GFC MSU may be applied toward graduation requirements at Park University. Residency requirements are 30 hours at Park, with 15 hours in major core.

Associate of Science to Park University

Associate of Science Degree with Transfer to a Bachelor of Science at Park University

The Associate of Science with articulated coursework is designed for students interested in a baccalaureate degree in Park University.

The Associate of Science (AS) Degree includes education in specific knowledge areas, most typically in math and natural sciences. Focusing on integration of information while increasing a student's employability, the AS is designed for transferability to a baccalaureate program.

To receive the AS degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically in evaluating information, solving problems, and decision-making.
- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,072
Total	$9,042

*   **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I +	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
M 105	Contemporary Mathematics **, +	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Math and Science - 9 Credits

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in math and sciences. (BIOB) (BIOH) (BIOM) Biology, (CAPP) Computer Applications, (CHMY) Chemistry, (CSCI) Computer Science/Programming, (GEO) Geology, (ITS) Information Technology Systems, (M) Math** (exceptM 108, M 191A, or M 191B), (PHSX) Physics, (STAT) Statistics.

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA

V. Electives - 17 Credits

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University.

TOTAL PROGRAM CREDITS: 60

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Science Degree from Park University

I. Liberal Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
EN 306	Professional Writing in Discipline	3	_____

II. Core Courses

Course	Title	Credits	Grade/Sem
Varies by selected degree			
Upper division credits required		36	_____
(Some GFC MSU courses may transfer as upper-division credits)			

TOTAL CREDITS: 120

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

Business

- Associate of Arts to MSU-Billings (p. 89)
- Associate of Arts to University of Providence (p. 90)

Associate of Arts to MSU-Billings

Associate of Arts Degree with Accounting and Business Coursework Transfer to MSU Billings

The Associate of Arts with articulated coursework in Accounting and Business is designed for students interested in a baccalaureate degree in Business at Montana State University Billings.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes
Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.

- Select and use the appropriate technologies for personal, academic, or career tasks.

- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost
Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance **(**http://students.gfcmsu.edu/insurance.html**) website and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 32 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
M 105	Contemporary Mathematics **, +	3	_____
M 171	Calculus I **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Fine Arts			
Select one of the following:			
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
Humanities			
Select one of the following:			
LIT 110	Intro to Lit +	3	_____
PHL 110	Introduction to Ethics +	3	_____

Natural Science - 8 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select one of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
Select one of the following:		4	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____

Social Science/History - 6 Credits

Course	Title	Credits	Grade/Sem
ECNS 201	Principles of Microeconomics +	3	_____
Select one of the following:			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an 'N' behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Accounting, Arts, Business, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
ACTG 101	Accounting Procedures I **,+	3	_____
ACTG 102	Accounting Procedures II **,+	3	_____
BGEN 105	Introduction to Business +	3	_____

V. Articulated Coursework - 17 Credits

Course	Title	Credits	Grade/Sem
Select from the following:			
ACTG 201	Principles of Fin Acct *,+	3	_____
ACTG 202	Principles of Mang Acct *,+	3	_____
BGEN 235	Business Law *,+	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
STAT 216	Introduction to Statistics **,+	4	_____
WRIT 122	Intro to Business Writing **,+	3	_____

TOTAL PROGRAM CREDITS: 64

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline for Completion of The Bachelor of Science in Business Administration - General Business Option from MSU Billings

The Associate of Arts with articulated coursework in Business is designed for students interested in a baccalaureate degree in Business Administration - General Business Option at MSU Billings. The following courses would be taken at MSU Billings after transfer with the Associate of Arts coursework completed at GFC MSU.

Course	Title	Credits	Grade/Sem
COB Productivity Application Software Proficiency Exam			
FIN 316	Quantitative Methods in Business and Economics	3	_____
FIN 351	Principles of Financial Management	3	_____
MGMT 321	Principles of Management	3	_____
MGMT 322	Operations Management	3	_____
BUS 347	Integrated Business Cases and Simulation	3	_____
MKT 340	Principles of Marketing	3	_____
MKT 341	Consumer Behavior	3	_____
MIS 330	Principles of Management Information Systems	3	_____
MIS 310	Web Design, Development and Implementation	3	_____
MIS 352	Microcomputer Database Design & Implementation	3	_____
BUS 440	Business and the Environment	3	_____
BUS 485	Capstone	3	_____
MGMT 439	Entrepreneurship	3	_____
FIN 352	Microcomputer Database Design & Implementation	3	_____
MGMT 422	Microcomputer Database Design & Implementation	3	_____
Restrictive Electives		6	_____
Electives		7	_____

Total Program Credits: 122*

Associate of Arts to University of Providence

Associate of Arts Degree with Business Coursework Transfer to University of Providence

The Associate of Arts with articulated coursework in Business is designed for students interested in a baccalaureate degree in Business Administration at the University of Providence.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

any students need preliminary math, writing, and biology courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 33 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 4 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Fine Arts			
Select one of the following:			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
Humanities			
Select one of the following:			
PHL 101	Introduction to Philosophy +	3	_____
LIT 110	Intro to Lit +	3	_____
WGSS 242	Gender and Equality +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
ACTG 101	Accounting Procedures I **,+	3	_____
WRIT 201	College Writing II *,+	3	_____

V. Articulated Coursework - 18 Credits

Course	Title	Credits	Grade/Sem
Select from the following:			
ACTG 102	Accounting Procedures II **,+	3	_____
ACTG 201	Principles of Fin Acct *,+	3	_____
ACTG 202	Principles of Mang Acct *,+	3	_____
BGEN 105	Introduction to Business +	3	_____
BGEN 235	Business Law *,+	3	_____
CAPP 156	MS Excel *,+	3	_____

TOTAL PROGRAM CREDITS: 61

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

+ A grade of C- or above is required for graduation

Outline for Completion of the Bachelor of Science in Business Administration Degree from The University of Providence

The Associate of Arts with articulated coursework in Business is designed for students interested in a baccalaureate degree in Business Administration at the University of Providence.

I. Business Administration Major

Credits & courses dependent upon articulation course taken at GFC MSU

Course	Title	Credits	Grade/Sem
BUS 201	The Art of Thinking	3	_____
BUS 240	Management Leadership	3	_____
BUS 245	Argo Entepreneurs	3	_____
BUS 260	Marketing	3	_____
BUS 301	Art of Communication	3	_____
BUS 335	Commercial Law	3	_____
BUS 400	Financial Analysis	3	_____
BUS 401	The Art of Leadership	3	_____
BUS 495	Internship	3	_____
BUS 496	Commerce Integration	3	_____
CPS 206	Spreadsheet for Business	3	_____
ECN 201	Macroeconomics	3	_____
ECN 202	Microeconomics	3	_____
Electives		5	_____

III. Total Credits Towards Degree

63 CREDITS (AA from GFC MSU)
57 CREDITS (BS–UP)
120 TOTAL CREDITS

UP Graduation Requirements:

1. Complete a minimum of 128 credits.

2. Maintain a cumulative University of Providence grade point average of 2.00 or higher.

3. Complete the University Core curriculum.

4. Complete a major. All courses used to complete the requirements of a major, minor, or concentration must have a grade of C or better. Some majors may require completion of a minor or concentration.

5. Complete thirty of the last forty semester hours of coursework at the University of Providence. Students enrolled in an approved Servicemembers Opportunity Colleges Army Degree (SOCAD) program may satisfy the academic residency requirements with coursework taken at any time during their enrollment at the university.

6. Complete a minimum of 40% or 15 credits of their major (whichever is greater) and a minimum of 40% of their minor in residency at the University of Providence. Completion of credits within a concentration will not count toward residency in the major. This requirement does not apply to those completing an approved major or minor in University Studies.

7. Complete at least thirty-two credits in upper division coursework (courses numbered 300 or higher), at least sixteen of which must be from the University of Providence. (Students should complete at least twelve of these credits in coursework outside the student's major and minor or concentration.)

8. Apply for graduation in accordance with the prescribed deadlines.

9. Comply with all university policies, rules, and regulations.

10. Pay all indebtedness to the university.

Business and Information Technology

- Associate of Arts to UM Montana Tech (p. 93)

Associate of Arts to UM Montana Tech

Associate of Arts Degree with Accounting and Business Coursework Transfer to Montana Tech

The Associate of Arts with articulated coursework in Accounting and Business is designed for students interested in a baccalaureate degree in Business & Information Technology with Management Option at Montana Tech.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program. To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically in evaluating information, solving problems, and decision-making.
- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the Health Insurance website and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____

Social Science/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Science			
CJUS 121	Intro to Criminal Justice +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Accounting, Business, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
ACTG 101	Accounting Procedures I **,+	3	_____
ACTG 102	Accounting Procedures II **,+	3	_____
BGEN 105	Introduction to Business +	3	_____

V. Articulation Coursework - 27 Credits

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Course	Title	Credits	Grade/Sem
ACTG 201	Principles of Fin Acct *,+	3	_____
ACTG 202	Principles of Mang Acct *,+	3	_____
BGEN 235	Business Law *,+	3	_____
CAPP 156	MS Excel *,+	3	_____
CAPP 158	MS Access *,+	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____

TOTAL PROGRAM CREDITS: 70

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

+ A grade of C- or above is required for graduation

Criminal Justice

Associate of Arts to Park University

Associate of Arts Degree -- Transfer to Park University in Criminal Justice Administration

The Associate of Arts with articulated coursework is designed for students interested in a Bachelor of Science in Criminal Justice Administration degree at Park University.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **, +	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
CJUS 121	Intro to Criminal Justice +	3	_____
Select one of the following			
Social Sciences			
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an 'N' behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
WRIT 201	College Writing II *,+	3	_____

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in arts, humanities, and social sciences: (ACTG) Accounting, (ARTH, ARTZ) Art, (ANTY) Anthropology, (BGEN, BMGT, BMKT) Business, (COMX) Communication, (ECNS) Economics, (EDU 221) Educational Psychology, (HSTA, HSTR) History, (LIT) Literature, (LSH) Humanities, (MUSI) Music, (NASX) Native American Studies, (PHL) Philosophy, (PSCI) Political Science, (PSYX) Psychology, (SIGN) American Sign Languages, (SOCI) Sociology, and (SPNS) Spanish.

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA.

V. Electives - 17 Credits

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University

TOTAL PROGRAM CREDITS: 60

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Arts Degree from Park University

I. General Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
Upper Division		12	_____

II. Core Requirements - 21 Credits

Course	Title	Credits	Grade/Sem
CJ 105	Criminal Law	3	_____
CJ 200	Criminology	3	_____
CJ 221	Criminal Procedure	3	_____
CJ 300	Agency Administration	3	_____
CJ 430	Research in Criminal Justice		
CJ 450	Senior Seminar in Criminal Justice	3	_____
Select one of the following			
CJ 440	Internship in Criminal Justice	3	_____
CJ 441	Senior Writing Project	3	_____

Area of Concentration (pick one area) - 6 Credits

Course	Title	Credits	Grade/Sem
Area A. Law Enforcement			
CJ 231	Introduction to Law Enforcement		
CJ 311	Criminal Investigation		

Course	Title	Credits	Grade/Sem
Area B. Corrections			
CJ 232	Introduction to Corrections		
CJ 322	Probation, Parole, and Community Corrections		

Course	Title	Credits	Grade/Sem
Area C. Security			
CJ 233	Introduction to Security		
CJ 333	Security Administration		

III. Electives - 8 Credits

From Criminal Justice courses not in the Core or the individual student's Area of Concentration: one 200-level course and three 300-level and/or 400-level courses, at least one of which must be a 400-level course.

TOTAL CREDITS: 121

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

Associate of Science to Park University

Associate of Science Degree -- Transfer to Park University in Criminal Justice Administration

The Associate of Science with articulated coursework is designed for students interested in a Bachelor of Science in Criminal Justice Administration degree in Park University.

The Associate of Science (AS) Degree includes education in specific knowledge areas, most typically in math and natural sciences. Focusing on integration of information while increasing a student's employability, the AS is designed for transferability to a baccalaureate program.

To receive the AS degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
	Montana University System Core Requirements	31	_____
	Computer Skills/Usage requirement	3	_____
	Coursework in Arts, Humanities, and Social Sciences	9	_____
	Electives	17	_____
	Final cumulative grade point average of at least 2.0		

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,072
Total	$9,042

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **, +	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
CJUS 121	Intro to Criminal Justice +	3	_____
Select one of the following			
Social Sciences			
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an 'N' behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Math and Sciences - 9 Credits

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 10 credits of electives. (BIOB) (BIOH) (BIOM) Biology, (CAPP) Computer Applications, (CHMY) Chemistry, (CSCI) Computer Science/Programming, (GEO) Geology, (ITS) Information Technology Systems, (M) Math** (except M 108, M 191A, or M 191B), (PHSX) Physics, (STAT) Statistics

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA.

V. Electives - 17 Credits

Course	Title	Credits	Grade/Sem
WRIT 201	College Writing II +	3	_____

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University

TOTAL PROGRAM CREDITS: 60

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Arts Degree from Park University

I. General Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
Upper Division		12	_____

II. Core Requirements - 21 Credits

Course	Title	Credits	Grade/Sem
CJ 105	Criminal Law	3	_____
CJ 200	Criminology	3	_____
CJ 221	Criminal Procedure	3	_____
CJ 300	Agency Administration	3	_____
CJ 430	Research in Criminal Justice		
CJ 450	Senior Seminar in Criminal Justice	3	_____
Select one of the following			
CJ 440	Internship in Criminal Justice	3	_____
CJ 441	Senior Writing Project	3	_____

Area of Concentration (pick one area) - 6 Credits

Course	Title	Credits	Grade/Sem
Area A. Law Enforcement			
CJ 231	Introduction to Law Enforcement		
CJ 311	Criminal Investigation		

Course	Title	Credits	Grade/Sem
Area B. Corrections			
CJ 232	Introduction to Corrections		
CJ 322	Probation, Parole, and Community Corrections		

Course	Title	Credits	Grade/Sem
Area C. Security			
CJ 233	Introduction to Security		
CJ 333	Security Administration		

III. Electives - 8 Credits

From Criminal Justice courses not in the Core or the individual student's Area of Concentration: one 200-level course and three 300-level and/or 400-level courses, at least one of which must be a 400-level course.

TOTAL CREDITS: 121

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

Criminal Justice Articulated Coursework with MSU-Northern

Articulated coursework in Criminal Justice is designed for students interested in a baccalaureate degree in Criminal Justice at Montana State University - Northern.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Montana University System Core Courses - 32 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 121	College Algebra **,+	3	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select one of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
Select one of the following:			
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
SPNS 101	Elementary Spanish I +	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

Criminal Justice Coursework - 9 Credits

Course	Title	Credits	Grade/Sem
CJUS 121	Intro to Criminal Justice +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 240	Fundamentals of Abnormal Psychology *,+	3	_____

Approved Elective - 2 Credits

Course	Title	Credits	Grade/Sem
CJUS 125	Fund of Forensic Science +	2	_____

Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at MSU-Northern.

TOTAL CREDITS WITH RECOMMENDED ELECTIVES: 45

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

\+ A grade of C- or above is required for graduation

Outline For Completion of the Bachelor of Science in Criminal Justice from MSU-Northern

The articulated coursework in Criminal Justice is designed for students interested in a baccalaureate degree from MSU-Northern.

Course	Title	Credits	Grade/Sem
CJUS 220	Intro to Corrections	3	_____
CJUS 230	Police Org and Behavior	3	_____
CJUS 325	American Criminal Law	3	_____
CJUS 330	Administration of Juvenile Justice	3	_____
CJUS 335	Victimology	3	_____
CJUS 427	Deviance and Social Control	3	_____
CJUS 498	Criminal Justice Coop	6	_____
COMX 412	Communication and Conflict	3	_____
PSCI 260	Intro to State and Local Government	3	_____
SOCI 311	Criminology	3	_____
SOCI 433	Addiction Studies	3	_____
Minor and Electives (18 of these credits must be 300 level or higher)		39	_____

Minors/Concentrations/Electives

Minors/Concentrations/Electives to be determined by the student in consultation with their advisor in MSU-Northern according to the University's current catalog/program sheet. Students with additional prior coursework not strictly identified in this articulation agreement that they believe may apply towards the Minors/Concentrations/Electives may contact the Dean of the College of Education, Arts, Sciences & Nursing, or his/her designee, at MSU-Northern to ascertain the course(s) acceptability of satisfying a portion of this requirement.

Associate of Arts to University of Providence

Overview

Associate of Arts Degree with Criminal Justice Coursework Transfer to University of Providence

The Associate of Arts with articulated coursework in Criminal Justice is designed for students interested in a baccalaureate degree in Criminal Justice at the University of Providence.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		33	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		15	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Rrequirements

any students need preliminary math, writing, and biology courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 33 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **, +	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 4 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **, +	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following			
BIOB 101	Discover Biology/Lab **, +	4	_____
BIOB 160	Princpls of Living Systems/Lab **, +	4	_____
BIOB 170	Prin Biological Diversity/Lab **, +	4	_____
BIOH 104	Basic Human Biology & Lab **, +	4	_____
BIOH 108	Basic Anatomy **, +	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **, +	4	_____
CHMY 141	College Chemistry I w/Lab **, +	4	_____
CHMY 143	College Chemistry II w/Lab **, +	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **, +	4	_____
PHSX 220	Physics I w/Lab **, +	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement.			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
CJUS 121	Intro to Criminal Justice +	3	_____
CJUS 125	Fund of Forensic Science +	2	_____
WRIT 201	College Writing II *, +	3	_____

V. Electives - 15 credits

Course	Title	Credits	Grade/Sem
Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives.			
No more than 5 credits of courses numbered 194 may be applied toward the Degree.			

Total Program Credits - 60

+   A grade of C- or above is required for graduation.

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

***   Students may not choose or may not count the following courses: COMX 102, WRIT 104, MATH 100, MATH 101, MATH 103, MATH 104,

Outline for Completion of the Bachelor of Arts in Criminal Justice Degree from The University of Providence

The Associate of Arts with articulated coursework in Criminal Justice is designed for students interested in a baccalaureate degree in Criminal Justice at the University of Providence.

I. Criminal Justice Major

Credits & courses dependent upon articulation course taken at GFC MSU

Course	Title	Credits	Grade/Sem
Remaining general education credits and goal areas		13	_____
CRJ 215	Soc Justice & Civ Engagement	3	_____
CRJ 231	Criminal Law	3	_____
CRJ 251	Criminal Evidence & Procedure	3	_____
CRJ 306	Criminology	3	_____
CRJ 308	Juvenile Delinquency	3	_____
CRJ 326	Ethics & Career Survival in CJ	3	_____
CRJ 371	Corrections	3	_____
CRJ 499	Criminal Justice Capstone	3	_____
PLG 101	Introduction to Law	3	_____
SOC 304	Sociology of Deviant Behavior	3	_____
SCS 312	Social Research Methods & Applied Statistics	4	_____
Electives		13	_____

II. Total Credits Towards Degree

60 CREDITS (AA from GFC MSU)
60 CREDITS (BS–UP)
120 TOTAL CREDITS

UP Graduation Requirements:

1. Complete a minimum of 128 credits.
2. Maintain a cumulative University of Providence grade point average of 2.00 or higher.
3. Complete the University Core curriculum.
4. Complete a major. All courses used to complete the requirements of a major, minor, or concentration must have a grade of C or better. Some majors may require completion of a minor or concentration.
5. Complete thirty of the last forty semester hours of coursework at the University of Providence. Students enrolled in an approved Servicemembers Opportunity Colleges Army Degree (SOCAD) program may satisfy the academic residency requirements with coursework taken at any time during their enrollment at the university.
6. Complete a minimum of 40% or 15 credits of their major (whichever is greater) and a minimum of 40% of their minor in residency at the University of Providence. Completion of credits within a concentration will not count toward residency in the major. This requirement does not apply to those completing an approved major or minor in University Studies.
7. Complete at least thirty-two credits in upper division coursework (courses numbered 300 or higher), at least sixteen of which must be from the University of Providence. (Students should complete at least twelve of these credits in coursework outside the student's major and minor or concentration.)
8. Apply for graduation in accordance with the prescribed deadlines.
9. Comply with all university policies, rules, and regulations.
10. Pay all indebtedness to the university.

Dental Hygiene

Associate of Applied Science to MSU-Billings

Overview

Associate of Applied Science in Dental Hygiene Transfer to MSU Billings

This agreement provides students who have completed the **Associate of Applied Science in Dental Hygiene** degree the opportunity to complete a **Bachelor of Applied Science with Thematic Concentration in Dental Hygiene** degree at MSUB. Any GFCMSU student who has earned an Associates of Applied Science in Dental Hygiene degree with coursework that adheres to the guidelines within this agreement is guaranteed that MSUB will accept designated major related credits and that all general education credits will apply to the Bachelor of Applied Science with Thematic Concentration in Dental Hygiene in a manner consistent with the treatment of native MSUB students.

Outcomes

Graduates are prepared to:

- Formulate comprehensive dental hygiene care plans that include accurate, consistent and complete documentation for assessment, diagnosis, planning, implementation, and evaluation that are dental centered and based on current scientific evidence based treatment.
- Employ professional judgement and critical thinking to identify, asses, analyze and creatively address situations in a safe and ethical manner.
- Demonstrate effective interpersonal skills through verbal and written communication with all individuals and groups from various populations.
- Demonstrate leadership skills and provide service to the community through health promotion activities and oral health prevention education while respecting their values and beliefs.
- Apply the concepts of oral health prevention and promotion to improve overall wellness by understanding the link between oral and systemic health.
- Provide safe and competent dental hygiene services to all individuals who seek treatment regardless of age, physical status, or intellectual ability with an individualized approach that is humane, empathetic, and caring.
- Demonstrate appropriate cultural, legal, ethical, and professional values at all times while practicing within the standards established by the professions code of ethics and identify parameters of accountability.
- Determine when the collaboration with other healthcare professionals is required to ensure safe appropriate comprehensive dental hygiene care is provided.
- Develop goals based on continuous self assessment to ensure lifelong learning and professional growth.
- Exhibit effective customer service and practice building skills that are designed to promote the area and importance of preventive oral health.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$11,962
Application Fee	$30
Lab Fees	$200
Program Fee	$1,265
Books/Supplies/Instruments	$3,743
Total	$17,200

*   **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Students will be required to purchase dental instruments, supplies, uniforms, and may also be required to provide transportation to clinical sites and lodging costs depending on the clinical sites selected.

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

GFC MSU Additional Graduation Requirement

Prerequisite Courses

Course	Title	Credits	Grade/Sem
BIOH 201	Human Anat Phys I/Lab (= 301) **, +	4	_____
BIOH 211	Human Anat Phys II & Lab(=311) *, +	4	_____
BIOM 250	Microbiology for Hlth Sci wLab *, +	4	_____
M 121(or any math in the MUS Core) **, +		3-4	_____
WRIT 101	College Writing I **, +	3	_____
Select one of the following:			
CHMY 121	Intro to General Chem w/Lab **, +	4	_____
OR BOTH			
CHMY 141	College Chemistry I w/Lab **, +	4	_____
CHMY 143	College Chemistry II w/Lab *, +	4	_____
Total Credits		22-27	_____

All prerequisite courses and dental hygiene program application must be completed by June 10th prior to fall entry into the program. A grade of C (not a C-) or above must be achieved in all prerequisite and program courses to advance in the program and to graduate.

Program Course Requirements

Course	Title	Credits	Grade/Sem
First Year			
Fall			
DENT 101	Intro to Dental Hyg/Preclinic +	2	_____
DENT 102	Intro to DH/Preclinic Lab +	2	_____
DENT 110	Theory of Infect Ctrl and Dis +	1	_____
DENT 118	Oral Anatomy for Hygienists +	3	_____
DENT 122	Radiology I/Lab +	2	_____
HTH 140	Pharmacology for HC Providers +	2	_____
	Credits	12	
Spring			
DENT 125	Radiology II/Lab *, +	2	_____
DENT 150	Clinical Dent Hyg Theory I *, +	2	_____
DENT 151	Clinical Dent Hyg Practice I *, +	4	_____
DENT 160	Periodontology I *, +	3	_____
DENT 165	Oral Histology and Embryology *, +	2	_____
DENT 240	Local Anes/Nitrous Ox Theo/Lab *, +	2	_____
	Credits	15	
Summer			
DENT 220	Dental Nutrition Health *, +	3	_____
DENT 223	Clinical Dent Hyg Theory II *, +	2	_____
DENT 251	Clinical Dent Hyg Practice II *, +	4	_____
DENT 260	Periodontology II *, +	2	_____
	Credits	11	
Second Year			
Fall			
DENT 130	Dental Materials *, +	2	_____
DENT 263	General/Oral Pathology *, +	3	_____
DENT 237	Gerontology/Special Needs Pts *, +	2	_____
DENT 250	Clinical Dent Hyg Theory III *, +	2	_____
DENT 252	Clinical Dent Hyg Practice III *, +	5	_____
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
	Credits	20	
Spring			
DENT 232	Comm Dental Hlth and Educ *, +	2	_____
DENT 235	Prof Issues/Ethics in Dent Pra *, +	2	_____
DENT 280	Clinical Dent Hyg Theory IV *, +	1	_____
DENT 281	Clinical Dent Hyg Practice IV *, +	5	_____
SOCI 101	Introduction to Sociology +	3	_____
Select one of the following:			
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
	Credits	19	
	Total Credits	77	

TOTAL PROGRAM CREDITS: 93-98

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

\+   A grade of C or above is required for graduation.

Outline for Completion of Bachelor of Applied Science with with Thematic Concentration in Dental Hygiene from MSU Billings

Educational Foundations: Students will complete courses to meet the MUS General Education Requirements

Thematic Concentration*- Total of 30 credits: (A grade of 'C-' or higher is mandatory in all courses in the thematic concentration)

I. Main Focus Area from one discipline: Dental Hygiene

Students may take the following courses or other Health Administration courses approved by their advisor.

DENT	305	Introduction to Dental Hygiene Research	2
DENT	360	Educational Methods in Dental Hygiene	3
DENT	380	Contemporary Issues in Dental Hygiene	3
DENT	470	Leadership in Dental Hygiene	3
DENT	499A	Capstone Part A	2
DENT	499B	Capstone Part B	2

II. Montana University System Core Courses - 33 Semester Hours

HADM	307	Health Informatics	3
HADM	325	Principles of Marketing for Health Care Organizations	3
HADM	335	Health Law and Ethics	3
HADM	440	Managerial Epidemiology and the Public's Health	3
HADM	492	SM: Health Systems	3

*ALL Thematic Concentration courses MUST be approved by your faculty advisor, the Department Chair, and the Academic Dean of the College for the focus area of concentration.

Conditions of Transfer:

Section I: Admissions and Matriculation

- GFCMSU students maintaining continuous enrollment under this agreement will be afforded the same treatment and protection as native MSUB students who enrolled under a specific catalog.
- Criteria for acceptance into MSUB will be the same for transfer as for native students.
- GFCMSU, upon request of students, will provide verification of completed courses to MSUB through its Office of Admissions and Records. The transcripts of students transferring from GFCMSU will be evaluated by the Registrar's Office at MSUB.
- Transfer students from GFCMSU will have access to financial aid, scholarships, and student services on the same basis as native students.
- MSUB will apply the same academic progress and graduation standards to GFCMSU transfer students to GFCMSU transfer students as those applicable to native students at MSUB.

Section II:Transfer of Credit

- A maximum of 93-98 credits semester hours will be accepted by MSUB from GFCMSU to be applied to the Bachelor of Applied Science with Thematic Concentration in Dental Hygiene degree as outlined in this agreement.

Section III: Program Plan

- While a course-by-course equivalence was used in the development of this plan, this agreement presumes that the general education core requirements at GFCMSU meet general education requirements at MSUB. Students falling under this program articulation agreement will be responsible for successfully completing the additional prescribed requirements.

Elementary Education

Associate of Arts to MSU-Northern

Associate of Arts Degree with Elementary Education Transfer to MSU-Northern

The Associate of Arts with articulated coursework in Education is designed for students interested in a baccalaureate degree in Elementary Education at MSU-Northern.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic or career tasks.
- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

*   **Fall 2018 MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 121	College Algebra **,+	3	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
LIT 110	Intro to Lit +	3	_____
Select one of the following:			
Humanities			
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 270	Film and Literature +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
BIOH 108	Basic Anatomy **,+	4	_____
OR			
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
SELECT ONE OF THE FOLLOWING:			
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
PSCI 210	Intro to American Government +	3	_____
History			
HSTA 255	Montana History (N) +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in arts, humanities, and social sciences. +			
(ACTG) Accounting			
(ARTH) (ARTZ) Art			
(ANTY) Anthropology			
(BGEN) Business General			
(COMX) Communications			
(ECNS) Economics			
(CJUS) Criminal Justice			
(CRWR) Creative Writing			
(EDU 221 only) Educational Psychology			
(HSTA) (HSTR) History			
(LSH) (WGSS) Humanities			
(LIT) Literature			
(MUSI) Music			
(NASX) Native American Studies			
(PHL) Philosophy			
(PSCI) Political Science			
(PSYX 230) Psychology			
(SIGN) American Sign Languages			
(SOCI) Sociology			
(SPNS) Spanish			
(WRIT) Writing			
Courses numbered 194 will not be applied to the concentration area.			

V. Electives - Education Coursework - 17 Credits

Course	Title	Credits	Grade/Sem
EDU 200	Introduction to Education +	3	_____
EDU 270	Instructional Tech (=370) *,+	3	_____
HTH 201	Health Issues for Educators +	3	_____
M 135	Mathematics for K-8 Teachers I **,+	4	_____
M 136	Mathematics for K-8 Teachrs II *,+	4	_____

Students are encouraged to work with their advisor to ensure that total number of credits required to graduate are met prior to completing their graduation application.

TOTAL PROGRAM CREDITS: 60

Recommended Electives

Course	Title	Credits	Grade/Sem
EDU 211	Multicultural Education +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at MSU-Northern.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

TOTAL PROGRAM CREDITS WITH RECOMMENDED ELECTIVES: 69

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline For Completion of the Bachelor of Science in Elementary Education from MSU-Northern

I. Education Coursework - 47 Credits

Course	Title	Credits	Grade/Sem
EDSP 304	Educational Psychology of the Exp Child	3	_____
EDU 380	Intro to Curriculum Planning & Prac	3	_____
EDU 397	MAMethods: K-8 Mathematics	2	_____
EDU 397	SCMethods: K-8 Science	2	_____
EDU 397	SSMethods: K-8 Social Science	2	_____
EDU 397	CAMethods: K-8 Integrated Arts/All Learner	2	_____
EDUC 334	Methods of Teaching Integrated Lang Arts	3	_____
EDU 335	Fund and Corrective Strategies in Reading	3	_____
EDU 397	HEMethods: K-8 Health Enhancement	2	_____
EDU 383	Assessment in Education	3	_____
EDU 340	Classroom Management	3	_____
EDU 315	Integrated IEFA Across the Curriculum	2	_____
EDU 337	Reading Materials for the Elem Child	2	_____
EDU 452	Advanced Practicum in Education	3	_____
Select one of the following			
EDU 495	ELStudent Teaching K-8	12	_____
EDU 495	ESStudent Teaching K-12	12	_____

II. Minors/Concentrations/Electives - 21-30 Credits

Minors/Concentrations/Electives to be determined by the student in consultation with their advisor at MSU-Northern according to the University's current catalog/program sheet. Students with additional prior coursework not strictly identified in this articulation agreement that they believe may apply towards the Minors/Concentrations/Electives must contact the Dean of the College of Arts & Sciences, Education & Nursing, or his/her designee, at MSU-Northern to ascertain the courses' acceptability toward satisfying a portion of this requirement.

Associate of Arts to University of Providence

Associate of Arts Degree with Elementary Education Coursework Transfer to University of Providence

The Associate of Arts with articulated coursework in Education is designed for students interested in a baccalaureate degree in Elementary Education at the University of Providence.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$65
Books/Supplies	$2,046
Total	$9,017

*   **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 33 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3-4 Credits

Course	Title	Credits	Grade/Sem
Choose one of the following:			
M 105	Contemporary Mathematics **, +	3	_____
M 151	Precalculus **, +	4	_____
M 171	Calculus I **, +	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Fine Arts			
Select one of the following:			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
Humanities			
Select one of the following:			
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
WGSS 242	Gender and Equality +	3	_____

Natural Science - 8 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
BIOB 101	Discover Biology/Lab **,+	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____

Social Science/History - 6 Credits

Course	Title	Credits	Grade/Sem
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
EDU 221	Ed Psych & Measurement +	3	_____
WRIT 201	College Writing II *,+	3	_____
Select one of the following:			
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

V. Articulated Coursework - 17 Credits

Course	Title	Credits	Grade/Sem
EDU 200	Introduction to Education +	3	_____
EDU 211	Multicultural Education +	3	_____
EDU 270	Instructional Tech (=370) *,+	3	_____
M 135	Mathematics for K-8 Teachers I **,+	4	_____
M 136	Mathematics for K-8 Teachrs II *,+	4	_____

TOTAL PROGRAM CREDITS: 62

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

^   Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at UP

Outline for Completion of The Bachelor of Arts in Elementary Education Degree from The University of Providence

The Associate of Arts with articulated coursework in Education is designed for students interested in a baccalaureate degree in Elementary Education at the University of Providence.

II. Elementary Education Major - 54 credits

Course	Title	Credits	Grade/Sem
Remaining general education and Core credits and goal areas		13	_____
EDU 202	Intro to Gifted Education	2	_____
EDU 261	Intro to Exceptionalities	3	_____
EDU 315	Assessment of Learning	2	_____
EDU 341	Methods in Elem Science	2	_____
EDU 342	Methods in Elem Soc. Studies	2	_____
EDU 352	Methods in Elem Math	2	_____
EDU 353	Methods in Elem Art	2	_____
EDU 356	Methods in Comm Arts I	2	_____
EDU 357	Methods in Comm Arts II	3	_____
EDU 370	Children's Literature	3	_____
EDU 462	PPIE Elementary	2	_____
EDU 472	PPIE Middle School	2	_____
EDU 489	Elem/Sec Ed Internship	2	_____
EDU 490	Elementary Internship	10	_____
Other required courses:			
GSC 121	Earth and Space Science		
HPE 110	Wellness Perspectives	3	_____
HPE 300	Strategies in Hlth Enhancement	3	_____
HST 230	World and Regional Geography	3	_____
MUS 250	Elementary School Music	2	_____

III. Dual Major in Special Education or Concentration Necessary for Completion of Elementary Education Degree from UP

IV. Total Credits Towards Degree

61-62 CREDITS (AA from GFC MSU)
67 CREDITS (BA–UP)
REMAINING CREDITS (Dual Major & Concentration)
128 TOTAL CREDITS necessary for Graduation

ART MINOR, HPE MINOR, READING INSTRUCTION CONCENTRATION, OR SPECIAL EDUCATION MAJOR – WILL RECEIVE A K-12 ENDORSEMENT FOR THAT SUBJECT AREA AND THEREFORE MUST SUBSTITUTE EDU 482 FOR EDU 472, PPIE MIDDLE SCHOOL AND MUST ALSO TAKE THE FOLLOWING COURSES:

Course	Title	Credits	Grade/Sem
EDU 338	Teaching Reading in the Content Area	2	_____
EDU 430	Secondary Teaching Procedures	2	_____

ELEMENTARY EDUCATION MAJORS MUST TAKE AN APPROVED CONCENTRATION OR COMPLETE A SECOND MAJOR IN SPECIAL EDUCATION. THE FOLLOWING ARE AVAILABLE OPTIONS:

- Art Concentration
- Communication Arts Concentration
- Gifted and Talented Education Concentration
- Health and Physical Education Concentration
- Mathematics Concentration
- Reading Instruction Concentration
- Science Concentration
- Social Science Concentration

UP Graduation Requirements

1. Complete a minimum of 128 credits.
2. Maintain a cumulative University of Providence grade point average of 2.00 or higher.
3. Complete the University Core curriculum.
4. Complete a major. All courses used to complete the requirements of a major, minor, or concentration must have a grade of C or better. Some majors may require completion of a minor or concentration.
5. Complete thirty of the last forty semester hours of coursework at the University of Great Falls. Students enrolled in an approved Servicemembers Opportunity Colleges Army Degree (SOCAD) program may satisfy the academic residency requirements with coursework taken at any time during their enrollment at the university.
6. Complete a minimum of 40% or 15 credits of their major (whichever is greater) and a minimum of 40% of their minor in residency at the University of Providence.Completion of credits within a concentration will not count toward residency in the major. This requirement does not apply to those completing an approved major or minor in University Studies.
7. Complete at least thirty-two credits in upper division coursework (courses numbered 300 or higher), at least sixteen of which must be from the University of Providence. (Students should complete at least twelve of these credits in coursework outside the student's major and minor or concentration.)
8. Apply for graduation in accordance with the prescribed deadlines.
9. Comply with all university policies, rules, and regulations.
10. Pay all indebtedness to the university.

Engineering

- Biological Engineering 1+3 Agreement with MSU Bozeman (p. 110)
- Chemical Engineering 1+3 Agreement with MSU Bozeman (p. 113)
- Civil Engineering 1+3 Agreement with MSU Bozeman (p. 115)
- Computer Engineering 1+3 Agreement with MSU Bozeman (p. 116)
- Construction Engineering Technology 1+3 Agreement with MSU Bozeman (p. 118)
- Electrical Engineering 1+3 Agreement with MSU Bozeman (p. 119)
- Industrial and Management Systems Engineering 1+3 Agreement with MSU Bozeman (p. 121)
- Mechanical Engineering 1+3 Agreement with MSU Bozeman (p. 122)
- Mechanical Engineering Technology 1+3 Agreement with MSU Bozeman (p. 124)

Biological Engineering 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Biological Engineering at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CHMY 141	College Chemistry I w/Lab **,+	4	_____
COMX 111	Intro to Public Speaking +	3	_____
M 171	Calculus I **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
University Core -- Select one of the following:		3	
Art (IA and RA) Options			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
Humanities (IH and RH) Options			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
Social Science (IS and SN) Options			
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Diversity (D) Options			
EDU 211	Multicultural Education +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
SPNS 102	Elementary Spanish II *,+	4	_____
	Credits	20	
Spring			
CHMY 143	College Chemistry II w/Lab *,+	4	_____
M 172	Calculus II *,+	4	_____
PHSX 220	Physics I w/Lab *,+	4	_____
University Core not previously taken -- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed above		3	
	Credits	15	
	Total Credits	35	

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

*** Assumes COMX 111 transfers to MSU Bozeman with a US Core designation

\+ A grade of C- or above is required for graduation

Years 2-4: Outline for Completion of the Bachelor of Science in Biological Engineering Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
CHMY 211	Elements of Organic Chemsitry	5	_____
ECHM 201	Elementary Principles of Chem. and Biol. Eng.	3	_____
M 273Q	Multivariable Calculus	4	_____
PHSX 222	Physics II (w/calculus)	4	_____
Subtotal		**16**	_____
Year 2 - Spring Semester			
EBIO 216	Elem Princ of Bioengineering	3	_____
ECHM 321	Fluid Mechanics Operations	3	_____
EGEN 102	Intro to Engineer Comp Apps	2	_____
M 274	Intro to Differential Equations	4	_____
University Core	Art (IA), Humanities (IH), Social Sci (IS), or Diversity (D)	3	_____
Subtotal		**15**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
BCH 380	Biochemistry	5	_____
BIOM 360	General Microbiology	5	_____
EBIO 324	Bioengineering Transport	3	_____
EGEN 350	Applied Engr Data Analysis	2	_____
Engineering Elective (replaces EBIO 100)		2	_____
Subtotal		**17**	_____
Year 3 - Spring Semester			
BIOB 375	General Genetics	3	_____
EBIO 438	Bioprocess Engin	3	_____
EBIO 439	Downstream Processing	3	_____
EGEN 310R	Multidisc Engineering Design	3	_____
EMAT 251	Materials Structures and Prop	3	_____
Subtotal		**15**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
EBIO 411R	Bioengineering Design I	3	_____
EBIO 442	Bioengineering Laboratory I	3	_____
Engineering Elective		6	_____
Bioengineering Elective		2	_____
University Core	IA, IH, IS, or D	3	_____
Subtotal		**17**	_____
Year 4 - Spring Semester			
EBIO 412R	Bioengineering Design II	3	_____
EBIO 443	Bioengineering Laboratory II	3	_____
EGEN 488	FE Exam	0	_____
Engineering Elective		4	_____
Bioengineering Elective		6	_____
Subtotal		**16**	_____

A minimum of 128 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above.

Chemical Engineering 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Chemical Engineering at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

*   **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CHMY 141	College Chemistry I w/Lab **,+	4	_____
COMX 111	Intro to Public Speaking +	3	_____
M 171	Calculus I **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
University Core -- Select one of the following: +		3	
Art (IA and RA) Options			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
Humanities (IH and RH) Options			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
Social Science (IS and SN) Options			
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Diversity (D) Options			
EDU 211	Multicultural Education +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
SPNS 102	Elementary Spanish II *, +	4	_____
	Credits	20	
Spring			
CHMY 143	College Chemistry II w/Lab *,+	4	_____
M 172	Calculus II *,+	4	_____
PHSX 220	Physics I w/Lab *,+	4	_____
University Core not previously taken -- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed above		3	
	Credits	15	
	Total Credits	35	

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

***   Assumes COMX 111 transfers to MSU Bozeman with a US Core designation

+   A grade of C- or above is required for graduation

Years 2-4: Outline for Completion of the Bachelor of Science in Chemical Engineering Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
CHMY 211	Elements of Organic Chemsitry	5	_____
ECHM 201	Elementary Principles of Chem. and Biol. Eng.	3	_____
M 273Q	Multivariable Calculus	4	_____
PHSX 222	Physics II (w/calculus)	4	_____
Subtotal		**16**	_____
Year 2 - Spring Semester			
ECHM 321	Fluid Mechanics Operations	3	_____
EGEN 102	Intro to Engineer Comp Apps	2	_____
EMAT 251	Materials Structures and Prop	3	_____
M 274	Intro to Differential Equations	4	_____
University Core	Art (IA), Humanities (IH), Social Sci (IS), or Diversity (D)	3	_____
Subtotal		**15**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
ECHM 307	Chem Engin Thermodynamics I	3	_____
ECHM 322	Chem Engin Heat Transfer Operations	3	_____
EGEN 350	Applied Engr Data Analysis	2	_____
Chem and Biochem Elective		3	_____
University Core Electives (IA, IH, IS, or D)		3	_____
Elective [2]			
Subtotal		**16**	_____
Year 3 - Spring Semester			
EBIO 438	Bioprocess Engin	3	_____
EGEN 310R	Multidisc Engineering Design	3	_____
ECHM 323	Chemical Engineering Mass Transfer Operations	3	_____
ECHM 328	Chemical Engineering Reactor Design	3	_____
Technical Elective		5	_____
Subtotal		**17**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
ECHM 407	Chem Engin Thermodynamics II	2	_____
ECHM 411R	Chemical Engineering Design I	3	_____
ECHM 424	Transport Analysis	3	_____
ECHM 442	Chemical Engineering Laboratory I	3	_____
Technical Elective		5	_____
Subtotal		**16**	_____
Year 4 - Spring Semester			
CHMY 373	Physical Chemistry	3	_____
ECHM 412R	Chemical Engineering Design II	3	_____
ECHM 443	Chemical Engineering Laboratory II	3	_____
ECHM 451	Process Dynamics and Control	3	_____
Technical Elective		4	_____
EGEN 488	FE Exam	0	_____
Subtotal		**16**	_____

A minimum of 128 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Civil Engineering 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Civil Engineering at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CHMY 141	College Chemistry I w/Lab **,+	4	_____
COMX 111	Intro to Public Speaking +	3	_____
M 171	Calculus I **,+	4	_____
PSCI 210	Intro to American Government +	3	_____
WRIT 101	College Writing I **,+	3	_____
	Credits	17	
Spring			
CHMY 143	College Chemistry II w/Lab *,+	4	_____
M 172	Calculus II *,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____
WRIT 201	College Writing II *,+	3	_____
	Credits	15	
	Total Credits	32	

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

*** Assumes COMX 111 transfers to MSU Bozeman with a US Core designation

\+ Key courses

Years 2-4: Outline for Completion of the Bachelor of Science in Civil Engineering Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all

required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
DDSN 131	Engr Graphics & Computer Aided Drafting	3	_____
EGEN 201	Engineering Mechanics -- Statics *	3	_____
M 273Q	Multivariable Calculus *	4	_____
PHSX 222	Physics II (w/calculus)	4	_____
University Core (Art, Humanities, Social Science, or Diversity)		3	_____
Subtotal		**17**	_____
Year 2 - Spring Semester			
ECIV 202	Appl Analysis/Tech Communication *	1	_____
EGEN 202	Engineering Mechanics -- Dynamics +	3	_____
EGEN 205	Mechanics of Materials +	3	_____
M 274	Intro to Differential Equations	4	_____
SRVY 230	Intro to Surveying for Engineers	3	_____
Select one of the following:			
EGEN 350	Applied Engr Data Analysis +	2	_____
STAT 332	Statistics for Scientists & Engineers +	3	_____
Subtotal		**16-17**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
ECIV 312	Structures I +	3	_____
ECIV 320	Geotechnical Engineering +	3	_____
ECIV 333	Water Resources Enineering +	3	_____
EGEN 335	Fluid Mechanics +	3	_____
Select one of the following:			
BIOB 160	Principles of Living Systems	4	_____
BIOM 103	Unseen Universe: Microbes	3	_____
ENSC 245	Soils	3	_____
ERTH 101	Earth System Science	4	_____
GPHY 264	Intro to GIS Science & Cartography	3	_____
Subtotal		**16-17**	_____
Year 3 - Spring Semester			
ECIV 308	Construction Practice +	3	_____
ECIV 315	Structures II +	3	_____
ECIV 332	Engineering Hydraulics +	2	_____
EENV 340	Principles of Environmental Engineering +	3	_____
ECIV 350	Transportation Engineering +	3	_____
EGEN 310R	Multidisc Engineering Design +	3	_____
Select one of the following:			
EELE 250	Circuits, Devices, and Motors	4	_____
EGEN 324	Applied Thermodynamics	3	_____
EMAT 251	Materials Structures and Properties	3	_____
Subtotal		**18-19**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
ECIV 401	Civil Engineering Practice and Ethics +	1	_____
ECIV 489R	Civil Engineering Design I +	2	_____
EGEN 330	Business Fundamentals for Technical Professionals +	3	_____
Electives: University Core (6 credits for year total) and Professional Electives (15 credits for year total) +		9	_____
Subtotal		**15**	_____

* Key courses

\+ Advanced courses

Electives must include: 15 credits of approved professional electives at the 300 level or above. A minimum of 2 courses in CE and not more than 3 courses in any one civil engineering sub-area are required. A maximum of 4 credits total from Individual Problems, Internships (max. 2 cr.), and Undergraduate Research may be counted toward professional electives. The professional electives program must contain a minimum of 2 design intensive courses. Students must successfully complete all key courses prior to taking any professional electives. A maximum of 3 credit-hours may be included from a complete MSU minor, a prior or concurrent BS/BA degree in another major, or courses in a completed MSU Honors Program. A student may petition to include other senior or graduate level courses consistent with the degree program but not listed here (requires Academic Advisor and Department Head approval).

A minimum of 128 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Computer Engineering 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Computer Engineering at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total

number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CSCI 100	Intro to Programming *,+	3	_____
M 171	Calculus I **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
	Credits	14	
Spring			
COMX 111	Intro to Public Speaking +	3	_____
M 172	Calculus II *,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____
University Core not previously take-- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed on MUS core page		3	
	Credits	14	
	Total Credits	28	

* Key courses

** Placement in course(s) is determined by placement assessment

\+ Indicates prerequisite needed

Years 2-4: Outline for Completion of the Bachelor of Science in Computer Engineering Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
EELE 101	Intro to Electrical Fundamentals	3	_____
EELE 261	Intro to Logic Circuits	4	_____
M 274	Intro to Differential Equations *	4	_____
PHSX 222	Physics II *	4	_____
Subtotal		**15**	_____
Year 2 - Spring Semester			
EELE 201	Circuits I for Engineering *	4	_____
EGEN 350	Applied Engr Data Analysis	2	_____
M 273Q	Multivariable Calculus *	4	_____
University Core not previously taken -- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed above		6	_____
Subtotal		**16**	_____
Year 2 - Summer Semester			
EELE 203	Circuits II for Engineering *	4	_____
Subtotal		**4**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
EELE 308	Signals and Systems Analysis *	3	_____
EELE 317	Electronics	4	_____
CSCI 246	Discrete Structures	3	_____
EELE 371	Microprocessor HW and SW Systems	4	_____
University Core (Art, Humanities, Social Science, or Diversity)		3	_____
Subtotal		**17**	_____
Year 3 - Spring Semester			
EELE 367	Logic Design	4	_____
EELE 465	Microcontroller Applications	4	_____
EGEN 310R	Multidisc Engineering Design *	3	_____
EELE 321	Introduction to Feedback Controls	3	_____
University Core (Art, Humanities, Social Science, or Diversity)		3	_____
Subtotal		**17**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
EELE 334	Electromagnetic Theory I	3	_____
EELE 467	System on a Chip, FGPA I	4	_____
EELE 488R	Electrical Engineering Design I	2	_____
EELE/CSCI Elective Courses +		6	_____
Subtotal		**15**	_____
Year 4 - Spring Semester			
EELE 468	System on a Chip, FPGA II	4	_____
EELE 487	Professional Ethics and Engineering Practices	1	_____
EGEN 488	FE Exam	0	_____
EELE 489	Electrical Engineering Design II	3	_____
EELE/CSCI Elective Courses +		6	_____
Subtotal		**14**	_____

*   Key courses

+   Advanced courses

Electives must include: 12 credits of approved professional electives, of which 6 credits must be CSCI courses, and at least 4 credits must be at the 300 level or above.

A minimum of 126 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Construction Engineering Technology 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Construction Engineering Technology at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

*   **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
COMX 111	Intro to Public Speaking +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
WRIT 101	College Writing I **,+	3	_____
	Credits	17	
Spring			
ECNS 202	Principles of Macroeconomics +	3	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
WRIT 201	College Writing II *,+	3	_____
University Core -- Select one of the following:		6	
Art (IA and RA) Options			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
Humanities (IH and RH) Options			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
Diversity (D) Options			
EDU 211	Multicultural Education +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
SPNS 102	Elementary Spanish II *,+	4	_____
	Credits	19	
	Total Credits	36	

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

***   Assumes COMX 111 transfers to MSU Bozeman with a US Core designation

+   Key courses

Years 2-4: Outline for Completion of the Bachelor of Science in Construction Engineering Technology Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all

required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
DDSN 131	Engr Graphics & Computer Aided Drafting	3	_____
EMAT 251	Materials - Structures and Properties	3	_____
ETCC 204	Applied Analysis for Construction Technology	1	_____
M 165Q	Calculus for Technology I *	3	_____
STAT 216	Introduction to Statistics	4	_____
University Core (Art, Humanities, or Diversity)		3	_____
Subtotal		**16**	_____
Year 2 - Spring Semester			
EGEN 203	Applied Mechanics *	3	_____
M 166Q	Calculus for Technology II *	3	_____
PHSX 207	College Physics II	4	_____
SRVY 230	Intro to Surveying for Engineers	3	_____
Select one of the following:			
ACTG 201	Principles of Accounting	3	_____
ACTG 220	Principles of Managerial Accounting	3	_____
EIND 373	Production Inventory Cost Analysis	3	_____
Subtotal		**16**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
ECIV 308	Construction Practice +	3	_____
EGEN 208	Applied Strength of Materials +	3	_____
EGEN 310R	Multidisciplinary Engineering Design	3	_____
EGEN 330	Business Fundamentals for Technical Professionals	3	_____
EGEN 331	Applied Mechanics of Fluids +	3	_____
Subtotal		**15**	_____
Year 3 - Spring Semester			
ARCH 241	Building Construction I +	3	_____
ECIV 307	Construction Estimating and Bidding Practice +	3	_____
ECIV 309	Building Information Modeling		_____
ETCC 302	Soils and Foundations	4	_____
ETCC 310	Concrete Technology +	3	_____
SRVY 273	Route Surveying +	3	_____
Subtotal		**18**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
ARCH 331	Environmental Controls I +	4	_____
ECIV 311	Construction Project Documentation +	2	_____
ECIV 404	Heavy Construction Equipment and Methods +	3	_____
EELE 354	Electric Power Applications +	3	_____
Professional Electives +		3	_____
Subtotal		**15**	_____
Year 4 - Spring Semester			
BGEN 361	Principles of Business Law	3	_____
ECIV 405	Construction Project Planning and Scheduling +	3	_____
ETCC 412	Structural Elements +	3	_____
ETCC 499R	Capstone: Construction Engineering Technology +	3	_____

* Key courses

\+ Advanced courses

Professional electives must include: a minimum of two and maximum of four credits combined from ETCC 498 (Internship -- often taken in the summer between junior and senior year), ETCC/ECIV 492 (Reno Prep Class and Independent Study), and ETCC 490 (Independent Study). A maximum of 3 credit-hours may be included from a complete MSU minor, a prior or concurrent BS/BA degree in another major, or courses in a completed MSU Honors Program. A student may petition to include other senior or graduate level courses consistent with the degree program but not listed here (requires Academic Advisor and Department Head approval).

Students must successfully complete all key courses prior to taking any advanced courses.

A minimum of 128 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Electrical Engineering 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Electrical Engineering at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total

number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CSCI 111	Programming with Java I +	3	_____
M 171	Calculus I **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
University Core not previously taken -- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed below		3	
	Credits	13	
Spring			
COMX 111	Intro to Public Speaking +	3	_____
M 172	Calculus II *,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____
University Core -- Select one of the following:		3	
Art (IA and RA) Options			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
Humanities (IH and RH) Options			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
Social Science (IS and SN) Options			
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Diversity (D) Options			
EDU 211	Multicultural Education +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
SPNS 102	Elementary Spanish II *,+	4	_____
	Credits	17	
	Total Credits	30	

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   Key courses

Years 2-4: Outline for Completion of the Bachelor of Science in Electrical Engineering Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
CSCI 132	Basic Data Structures and Algorithms	4	_____
EELE 101	Intro to Electrical Fundamentals	3	_____
M 274	Intro to Differential Equations *	4	_____
PHSX 222	Physics II (w/calculus) *	4	_____
Subtotal		**15**	_____
Year 2 - Spring Semester			
CSCI 112	C Programming	3	_____
EELE 201	Circuits I for Engineering *	4	_____
EELE 261	Intro to Logic Circuits	4	_____
EGEN 350	Applied Engr Data Analysis	2	_____
M 273Q	Multivariable Calculus *	4	_____
Subtotal		**17**	_____
Year 2 - Summer Semester			
EELE 203	Circuits II for Engineering	4	_____
Subtotal		**4**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
EELE 308	Signals and Systems Analysis *	3	_____
EELE 317	Electronics	4	_____
EELE 334	Electromagnetic Theory I	3	_____
EELE 371	Microprocessor HW and SW Systems	4	_____
PHSX 224	Physics III	4	_____
Subtotal		**18**	_____
Year 3 - Spring Semester			
EELE 321	Introduction to Feedback Controls	3	_____
EELE 355	Energy Conversion Devices	4	_____
EGEN 310R	Multidisc Engineering Design *	3	_____
Elective EELE Course +		3-4	_____
Subtotal		**13-14**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
EELE 409	EE Material Science	3	_____
EELE 488R	Electrical Engineering Design I	2	_____
EELE Elective Courses		6	_____
Non-EELE Elective Course		3	_____
Subtotal		**14**	_____
Year 4 - Spring Semester			
EELE 445	Telecommunication Systems	4	_____
EELE 487	Professional Ethics & Engin Practices	1	_____
EGEN 488	FE Exam	0	_____
EELE 489	Electrical Engineering Design II	3	_____
EELE Elective Courses		3	_____
Non-EELE Elective Course		3	_____
University Core (Art, Humanities, Social Science, or Diversity)		3	_____
Subtotal		**17**	_____

* Key courses

\+ Advanced courses

Electives must include: 18 credits of approved professional electives, of which 9 credits must be EELE courses, at least 6 credits must be non-EELE courses, and at least 4 credits must be at the 300 level or above.

A minimum of 125 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Industrial and Management Systems Engineering 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Industrial and Management Systems Engineering at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CHMY 141	College Chemistry I w/Lab **,+	4	_____
COMX 111	Intro to Public Speaking +	3	_____
CSCI 111	Programming with Java I *,+	3	_____
M 171	Calculus I **,+	4	_____
University Core -- Select one of the following: +		3	
Art (IA and RA) Options			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
Humanities (IH and RH) Options			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
Social Science (IS and SN) Options			
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Diversity (D) Options			
EDU 211	Multicultural Education +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
SPNS 102	Elementary Spanish II *,=	4	_____
	Credits	20	
Spring			
M 172	Calculus II *,+	4	_____
PHSX 220	Physics I w/Lab *,+	4	_____
WRIT 101	College Writing I **,+	3	_____
University Core not previously taken -- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed above		6	
	Credits	17	
	Total Credits	37	

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

\+ A grade of C- or above is required for graduation

Years 2-4: Outline for Completion of the Bachelor of Science in Industrial Management Systems Engineering Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all

required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
EGEN 201	Engineering Mechanics - Statics	3	_____
EIND 101	Intro to Industrial Engineering	1	_____
EMAT 251	Materials, Structures, and Properties	3	_____
EMEC 103	CAE I: Engr Graphics Communication	2	_____
M 273Q	Multivariable Calculus	4	_____
University Core (Art, Humanities, Social Science, or Diversity)		3	_____
Subtotal		**16**	_____
Year 2 - Spring Semester			
EGEN 205	Mechanics of Materials	3	_____
EIND 142	Intro to Systems Engineering	2	_____
ETME 215	Manufacturing Processes	3	_____
M 221	Linear Algebra	3	_____
PHSX 222	Physics II	4	_____
Subtotal		**15**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
EIND 300	Engineering Management & Ethics	3	_____
EIND 354	Engineering Probability & Statistics I	3	_____
EIND 364	Principles of Operations Research I	3	_____
EIND 371	Intro to Computer Integrated Manuf	3	_____
Engineering Core Elective *		3-4	_____
Subtotal		**15-16**	_____
Year 3 - Spring Semester			
EGEN 310	Introduction to Engineering Design	3	_____
EGEN 325	Engineering Economic Analysis	3	_____
EIND 313	Work Design & Analysis	3	_____
EIND 458	Production and Engineering Management	3	_____
EIND 464	Principles of Operations Research II	3	_____
Select one of the following:		**3**	_____
EING 455	DOE for Engineers		
EIND 457	Regression & Multivariate Analysis for Engineers		
Subtotal		**18**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
EIND 413	Ergonomics & Human Factors Engineering	3	_____
EIND 422	Intro to Simulation	3	_____
EIND 434	Project & Engineering Management	3	_____
EIND 442	Facility/Material Handling Systems Design	3	_____
Industrial Engineering Cognate Electives *		3	_____
Subtotal		**15**	_____
Year 4 - Spring Semester			
EGEN 488	FE Exam	0	_____
EIND 410	Interaction Design	2	_____
EIND 477	Quality Assurance	3	_____
EIND 499R	Capstone: Industrial Engineering Design	3	_____
Industrial Engineering Cognate Electives *		6-7	_____
Subtotal		**14-15**	_____

* Students who select a 4-credit engineering core elective need a minimum of 9 credits of cognate electives, but students who select a 3-credit engineering core elective need a minimum of 10 credits of cognate electives to meet the 128-credit requirement below.

A minimum of 128 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Mechanical Engineering 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Mechanical Engineering at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website (http://students.gfcmsu.edu/insurance.html) **and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total

number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
CHMY 141	College Chemistry I w/Lab **,+	4	_____
COMX 111	Intro to Public Speaking +	3	_____
M 171	Calculus I **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
University Core -- Select one of the following:		3	
Art (IA and RA) Options			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
Humanities (IH and RH) Options			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
Social Science (IS and SN) Options			
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Diversity (D) Options			
EDU 211	Multicultural Education +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
SPNS 102	Elementary Spanish II *,+	4	_____
	Credits	20	
Spring			
M 172	Calculus II *,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____
University Core not previously taken -- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed above		6	
	Credits	14	
	Total Credits	34	

*   Key courses

**   Placement in course(s) is determined by placement assessment

***   Assumes COMX 111 transfers to MSU Bozeman with a US Core designation

+   Indicates a course prerequisite

Years 2-4: Outline for Completion of the Bachelor of Science in Mechanical Engineering Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all

required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
EGEN 201	Engineering Mechanics - Statics	3	_____
EMEC 100	Introduction to Mechanical Engineering	1	_____
EMEC 103	Engineering Graphics	3	_____
M 273Q	Multivariable Calculus	4	_____
PHSX 222	Physics II (w/calculus)	4	_____
University Core (Art, Humanities, Social Science, or Diversity)		3	_____
Subtotal		**18**	_____
Year 2 - Spring Semester			
EGEN 202	Engineering Mechanics - Dynamics	3	_____
EGEN 205	Mechanics of Materials	3	_____
EMAT 252	Materials Lab	1	_____
EMEC 203	Mechanical Engineering Computation	2	_____
EMEC 250	Mechanical Engineering Materials	3	_____
M 274	Intro to Differential Equations	4	_____
Subtotal		**16**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
EGEN 335	Fluid Mechanics	3	_____
EGEN 350	Statistics	2	_____
ELEC 250	Circuits	4	_____
EMEC 320	Thermodynamics I	3	_____
EMEC 341	Advanced Mechanics of Materials	3	_____
ETME 215	Manufacturing Process	3	_____
ETME 217	Manufacturing Process Lab	1	_____
Subtotal		**19**	_____
Year 3 - Spring Semester			
EGEN 310	Multidisc Engineering Design	3	_____
EMEC 303	Systems Analysis	3	_____
EMEC 321	Thermodynamics II	3	_____
EMEC 326	Heat Transfer	3	_____
EMEC 342	Mechanical Component Design	3	_____
EMEC 360	Measurement and Instrumentation	3	_____
EMEC 361	Measurement and Instrumentation Lab	1	_____
Subtotal		**19**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
EMEC 425	Advanced Thermal Systems	3	_____
EMEC 445	Mechanical Vibrations	3	_____
EMEC 489	Capstone I	2	_____
Professional Electives		6	_____
University Core (Art, Humanities, or Diversity)		3	_____
Subtotal		**17**	_____
Year 4 - Spring Semester			
EGEN 488	FE Exam	0	_____
EMEC 499	Capstone II	3	_____
Professional Electives		9	_____
University Core (Art, Humanities, or Diversity)		3	_____
Subtotal		**15**	_____

Electives must include: 15 credits of approved professional electives at the 300 level or above. The professional elective courses must comply with the Mechanical Engineering Professional Elective Policy. Students must successfully complete all key courses prior to taking any professional electives. A student may petition to include other senior or graduate level courses consistent with the degree program but not listed here (requires Academic Advisor and Department Head approval).

A minimum of 128 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Mechanical Engineering Technology 1+3 Agreement with MSU Bozeman

The 1+3 Agreement with articulated coursework in Engineering and General Education is designed for students interested in a Bachelor of Science degree in Mechanical Engineering Technology at Montana State University.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$85
Books/Supplies	$644
Total	$4,177

*   **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements
Year 1: Courses taken at GFC MSU

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedule.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
WRIT 101	College Writing I **,+	3	_____
M 171	Calculus I **,+	4	_____
CHMY 121	Intro to General Chem w/Lab **, +	4	_____
COMX 111	Intro to Public Speaking +	3	_____
University Core -- Select one of the following:		3	
Art (IA and RA) Options			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
PHOT 154	Exploring Digital Photography +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
Humanities (IH and RH) Options			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
Social Science (IS and SN) Options			
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Diversity (D) Options			
EDU 211	Multicultural Education +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
SPNS 102	Elementary Spanish II *,+	4	_____
	Credits	20	
Spring			
BGEN 105	Introduction to Business +	3	_____
M 172	Calculus II *,+	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
University Core not previously taken -- Art (IA and RA), Humanities (IH and RH), Social Science (IS and SN), or Diversity (D) Options listed above		6	
	Credits	17	
	Total Credits	37	

*   Key courses

**   Placement in course(s) is determined by placement assessment

***   Assumes COMX 111 transfers to MSU Bozeman with a US Core designation

\+   Indicates a course prerequisite

Years 2-4: Outline for Completion of the Bachelor of Science in Mechanical Engineering Technology Degree at Montana State University

The following courses would be taken at MSU in Bozeman after transferring with Year 1 coursework from Great Falls College. These courses are all required for degree completion; the course sequencing indicated below is a general guide on when they can be taken.

Course	Title	Credits	Grade/Sem
Year 2 - Fall Semester			
ETME 100	Intro to MET	1	_____
EMEC 103	CAE I: Engineering Graphics Communication	2	_____
EGEN 203	Applied Mechanics	3	_____
EMAT 252	Materials, Structures, and Properties Lab	1	_____
PHSX 207	College Physics II	4	_____
University Core (Art, Humanities, Social Science, or Diversity)		3	_____
Select one of the following:		**3**	_____
EMAT 251	Materials, Structures, and Properties		
EMEC 250	Mechanical Engineering Materials		
Subtotal		**17**	_____
Year 2 - Spring Semester			
ETME 202	MET Computer Applications	1	_____
EGEN 208	Applied Strength of Materials	3	_____
EGEN 324	Applied Thermo	3	_____
EELE 250	Circuits, Devices, and Motors	4	_____
ETME 203	Mechanical Design Graphics	3	_____
ETME 215	Manufacturing Processes	3	_____
ETME 216	Manufacturing Processes lab - MET	1	_____
Subtotal		**18**	_____

Course	Title	Credits	Grade/Sem
Year 3 - Fall Semester			
EGEN 350	Applied Eng. Data Analysis	2	_____
ETME 340	Mechanisms	4	_____
EGEN 331	Applied Mechanics of Fluids	3	_____
ETME 310	Machining and Industrial Safety	3	_____
EGEN 310	Multidisc Engineering Design	3	_____
Subtotal		**15**	_____
Year 3 - Spring Semester			
ETME 321	Applied Heat Transfer	3	_____
ETME 360	Measurements and Instrumentation Applications	3	_____
ETME 341	Machine Design	4	_____
ETME 303	CAE Tools in Mechanical Design	3	_____
ETME 311	Joining Processes	3	_____
Subtotal		**16**	_____

Course	Title	Credits	Grade/Sem
Year 4 - Fall Semester			
ETME 422	Principles of HVAC I	3	_____
ETME 400	MET Senior Seminar	1	_____
ETME 489	Capstone: MET Design I	2	_____
EGEN 325	Engineering Economic Analysis	3	_____
Professional Electives		6	_____
Subtotal		**15**	_____
Year 4 - Spring Semester			
ETME 424	Thermal Processes Lab	1	_____
ETME 415	Design for Manufacturing & Tooling	3	_____
ETME 499	Capstone: Met Design II	3	_____
EGEN 488	FE Exam	0	_____
Professional Electives		6	_____

Electives must include: 12 credits of approved professional electives at the 300 level or above. A maximum of 3 credits total from Individual Problems, Internships, and Undergraduate Research may be counted toward professional electives. A maximum of 6 credit hours may be included from a completed MSU minor, a prior or concurrent BS/BA degree in another major, ROTC Leadership, or courses in a completed MSU Honors Program. A student may petition to include other senior or graduate level courses consistent with the degree program but not listed here (requires Academic Advisor and Department Head approval).

A minimum of 126 credits is required for graduation; 42 of those credits must be in courses numbered 300 and above.

Health Administration

- Associate of Arts to MSU-Billings (p. 126)

Associate of Arts to MSU-Billings

Associate of Arts Degree with HIT Coursework Transfer to MSU Billings

The Associate of Arts with articulated coursework in Health Information Technology is designed for students interested in a baccalaureate degree in Health Administration at Montana State University Billings.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 32 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **,+	3	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Fine Arts			
Select one of the following:			
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
Humanities			
Select one of the following:			
LIT 110	Intro to Lit +	3	_____
PHL 110	Introduction to Ethics +	3	_____

Natural Science - 8 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select one of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
Select one of the following:			
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
ECNS 201	Principles of Microeconomics +	3	_____
Select one of the following:			
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Accounting, Arts, Business, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
ECNS 202	Principles of Macroeconomics +	3	_____
WRIT 122	Intro to Business Writing *,+	3	_____
Select one of the following:			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

V. Articulated Coursework - 17 Credits

Course	Title	Credits	Grade/Sem
Select from the following:			
AHMS 105	Health Care Delivery +	2	_____
AHMS 108	Health Data Content & Struct *,+	3	_____
AHMS 158	Legal & Rgltry Aspcts Hlthcare *,+	3	_____
AHMS 227	Health Information Management *,+	3	_____
AHMS 240	Clinical Quality Assessment *,+	3	_____
HIT 265	Electr Health Rec in Med Prac *,+	3	_____

TOTAL PROGRAM CREDITS: 64

Outline for Completion of The Bachelor of Science in Business Administration - General Business Option from MSU Billings

The Associate of Arts with articulated coursework in Business is designed for students interested in a baccalaureate degree in Business Administration - General Business Option at MSU Billings. The following courses would be taken at MSU Billings after transfer with the Associate of Arts coursework completed at GFC MSU

I. Required Health Administration Core

Course	Title	Credits	Grade/Sem
HADM 210	Health Care Mega Trends	3	_____
HADM 307	Health Informatics	3	_____
HADM 310	Healthcare Economics	3	_____
HADM 335	Health Law and Ethics	3	_____
HADM 405	Evidence in Research & Eval	3	_____
HADM 422	Operations, Outcomes, and Quilaity	3	_____
HADM 425	Financial Mgmt & Budg in Health	3	_____
HADM 440	Managerial Epidemiology and the Public's Health	3	_____
HADM 445	Managing Health Care Organizations	3	_____
HADM 450	Health Policy and Politics	3	_____
HADM 496	Cooperative Education/Internship	3	_____
HADM 497	Capstone	3	_____

II. Required Business Minor

Course	Title	Credits	Grade/Sem
**ACTG 201	Principles of Financial Accounting	3	_____
**ACTG 202	Principles of Managerial Accounting	3	_____
FIN 351	Principles of Financial Management	3	_____
MGMT 321	Principles of Management	3	_____
MGMT 322	Operations Management	3	_____
MGMT 452	Human Resources Management	3	_____
MIS 330	Principles of Management Information Systems	3	_____
MKT 340	Principles of Marketing	3	_____

*
Health Administration majors must pass all '*' courses with a grade of 'C-' or better prior to taking 300 and 400 level Business courses.

Total MSUB BHSA Program Credits-60

Total AA-BSHA Credits-121

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

+ A grade of C- or above is required for graduation

Health Information Technology

- Associate of Applied Science in Health Information Technology to Stephens College (p. 128)

Associate of Applied Science in Health Information Technology to Stephens College

The Associate of Applied Science degree with articulated coursework in Health Information Technology is designed for students interested in a baccalaureate degree in Health Information Administration at Stephens College.

Program Director: Kathryn Peterson, Interim

This program is offered completely on-line.

The Health Information Technology program is designed to prepare individuals to organize and evaluate health records for completeness and accuracy. Upon completion of the AAS degree in Health Information Technology, students will be prepared to begin a successful career as a health information technologist. Students are prepared to sit for the National Registered Health Information Technologist exam administered by AHIMA (www.ahima.org (http://www.ahima.org)).

The Health Information Technology program is accredited by the Commission on the Accreditation for Health Informatics and Information Management (CAHIIM).

Outcomes

Graduates are prepared to:

- Use computer applications and software in maintaining health information in health records.
- Research and rely on knowledge in medical terminology, anatomy and physiology, pharmacology, and disease processes.
- Identify and apply accurate diagnostic and procedural codes for reimbursement.
- Exhibit professional communication skills in oral, written, and electronic formats.
- Maintain confidentiality of health information, while developing a commitment to adhering to the standards of professional integrity, honesty, and fairness.

- Interact professionally in the healthcare environment with healthcare providers, patients/clients, and the public, while understanding diversity among cultures and societies.
- Analyze qualitative and quantitative information, including graphic, numerical, and verbal data.
- Apply knowledge of health information technology to solve problems, while utilizing critical thinking skills.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$8,544
Application Fee	$30
Lab/Course Fees	$319
Books/Supplies	$3,784
Total	$12,677

* **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules

NOTE: Curriculum is based on a full time schedule. The courses listed below do not have to be taken in the specified order. However, if you do take them in this order, it will ensure that you have completed all prerequisites for each course. And, since not every course is offered every semester, it will ensure that you do not have to delay graduation because a certain course is not offered when you decide to take it.

** Please note that if you attend part-time and/or require remediation courses in Math and/or English, it will take longer to complete your program.

A grade of "C-"or above must be achieved in all courses to advance in the program and to graduate. Students must complete several prerequisite courses prior to completing some program courses.

To see the course equivalencies between Great Falls College MSU and Stephens College, click here (http://www.gfcmsu.edu/webs/Articulations/AAS_Stephens_Health_Info_Tech.pdf).

GFC MSU Additional Graduation Requirement

Course	Title	Credits	Grade/Sem
First Year			
Fall			
AHMS 105	Health Care Delivery +	2	_____
AHMS 144	Medical Terminology +	3	_____
AHMS 103	Research in HIM +	1	_____
BIOH 112	Human Form and Function I +	4	_____
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			
Select one of the following:			
WRIT 101	College Writing I **,+	3	_____
WRIT 122	Intro to Business Writing **,+	3	_____
	Credits	16	
Spring			
AHMS 108	Health Data Content & Struct *,+	3	_____
AHMS 158	Legal & Rgltry Aspcts Hlthcare *,+	3	_____
AHMS 201	Medical Science *,+	3	_____
BIOH 113	Human Form and Function II *,+	3	_____
HTH 180	Pharmaceuticals for HC Provdrs +	1	_____
	Credits	13	
Summer			
HIT 265	Electr Health Rec in Med Prac *,+	3	_____
Select one of the following:		3	
COMX 115	Intro to Interpersonal Communc +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Select one of the following:		4	
	Credits	10	
Second Year			
Fall			
AHMS 157	Healthcare Reimbursement Metho *,+	4	_____
AHMS 164	Beg Diagnosis Coding: ICD-10 *,+	3	_____
AHMS 208	Healthcare Statistics *,+	2	_____
AHMS 227	Health Information Management *,+	3	_____
	Credits	12	
Spring			
AHMS 160	Beginning Procedural Coding *,+	3	_____
AHMS 213	ICD-10 Coding *,+	3	_____
AHMS 240	Clinical Quality Assessment *,+	3	_____
AHMS 288	HIT Exam Preparation *,+	3	_____
	Credits	12	
	Total Credits	63	

* Indicates prerequisite needed

** Placement in course(s) is determined by placement assessment

\+ A grade of C- or above is required for graduation

Outline for Completion of the Bachelor of Science in Health Information Administrative Degree from Stephens College

The Health Information Administration (HIA) Program is designed to assist women and men in their quest to become Registered Health Information Administrators (RHIAs). Satisfactory completion of the HIA Program establishes a student's eligibility to sit for the national registration examination (RHIA). The HIA Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). This degree is available online.

I. HIA Core Courses - 33 credits

Course	Title	Credits	Grade/Sem
HIA 305	Human Resource Management for Healthcare		
HIA 330	Legal & Ethical Issues in HIA	3	_____
HIA 347	Mgmt/Clinical Classification & Reimbursement Systems	3	_____
HIA 354	Principles of Healthcare Finance	3	_____
HIA 355	Integrated Quality Management	3	_____
HIA 365	Performance Improvement for Healthcare Organizations	3	_____
HIA 375	Advanced Information Systems	3	_____
HIA 401	Management of Health Information Centers	3	_____
HIA 450	Internship in HIA	3	_____
HIA 491	Senior Seminar	3	_____
HIA 492	Senior Capstone	3	_____

II. General Education Coursework – 27 credits

- Sophomore Global Experience (3 hrs.)
- Ethics Component (3 hrs.)
- Arts (3 hrs.)
- Literature (3 hrs.)
- Science (3 hrs.)
- History (3 hrs.)
- Women-Focused (3 hrs.)

TOTAL: 120 CREDITS

Nursing

Associate of Science in Registered Nurse to Montana Tech (p. 130)

Bachelor of Science Nursing Completion Degree for Registered Nurses

Overview

Associate of Science Degree

GFC MSU Program Director: Russ Motschenbacher

GFC MSU Program Faculty: Kaylene Strutz, Deanna Hastings, Stephen Wurz

The Degree Completion Program allows students completing the Associate of Science degree at GFC MSU and licensed in the State of Montana to be granted 72 semester credits. Graduation from Montana Tech in nursing requires completion of 15 credits of general education courses, some of which may be part of the 72 credits transferred from GFC MSU. The student must earn a total of 120 credits in order to graduate from Montana Tech. Upon completion of the program courses and the meeting of all graduation requirements including the general education requirements, a Bachelor of Science degree in Registered Nursing will be awarded.

The Montana Tech BSN-Completion Program, is accredited through the Commission on Collegiate Nursing Education (CCNE). For more information, http://www.mtech.edu/academics/clsps/nursing/ or call the Montana Tech Nursing Department at 406-496-4390.

GFC MSU Program Website (http://www.gfcmsu.edu/webs/nursing/)

GFC MSU RN curriculum Program Application (http://www.gfcmsu.edu/webs/ nursing/documents/Registered_Nurse_Application.pdf) (Fall 2018 application available February 15)

Registered Nurses (RNs) work to promote good health and prevent illness. They educate patients and the public about various medical conditions, treat patients and help in their rehabilitation, and provide advice and emotional support to patients' families. RNs use considerable judgement in providing a wide variety of services. The Registered Nurse Program at Great Falls College MSU is currently approved by the Montana State Board of Nursing. upon completion of the Associate of Science in Registered Nursing, students will be prepared to begin a successful career as a registered nurse. Students are prepared to sit for the national licensure examination for registered nursing.

The Registered Nurse Program is a limited enrollment program with an intake of 30 students. Interested students must apply for entry into the program. An application packet with the criteria for admission is available on the program website.

- The length of the program after acceptance is four consecutive semesters.
- Accepted students will be required to provide proof of Health Care Provider CPR certification, a negative Tuberculosis test, a background check, and a complete Student Immunization and Verification form before the beginning of the semester.
- The Hepatitis B immunization series is strongly recommended before entrance into the program. A student may be denied access to clinical rotations without an adequate Hepatitis B titer. Students having religious or personal conflicts against receiving the Hepatitis B vaccine must sign a release form.

Outcomes

Graduates are prepared to:

- Administer effective and ethical individual patient care, utilizing human needs as a foundation for assessing behaviors, assigning priorities to desired outcomes, and planning and prioritization nursing interventions.
- Incorporate knowledge of cultural, religious, and socioeconomic factors in providing nursing care for individuals in a variety of healthcare settings.
- Coordinate, delegate, and prioritize the delivery of care aimed at meeting the needs of patients, communities of patients, and their families.
- Practice collaboratively within the proper scope of practice, legal, and ethical frameworks, and within national and state standards of nursing practice.
- Use communication that is effective and therapeutic, along with information technology, to implement problem solving processes in the evidence-based management of patient care.
- Provide competent evidence-based nursing care, recognizing the values and beliefs of the patient.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$8,544
Application Fee	$30
Uniforms	$225
Lab/Course Fees	$564
Program Fee	$400
Books/Supplies	$2,826
Total	$12,590

*   **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http:// students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Prerequisites

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

GFC MSU Additional Graduation Requirement

GFC MSU Prerequisite Coursework

The following courses must be completed prior to admission into the Registered Nurse Program. All prerequisite coursework must be completed with a minimum grade of C (not a C-) in each course and a minimum cumulative GPA in prerequisite coursework of 2.0. Grades in prerequisite courses are a major factor in ranking applications for program acceptance.

Science courses must be completed within five (5) years of application to the program, and other courses must be completed within 15 years of applying to the program.

Course	Title	Credits	Grade/Sem
FIRST SEMESTER			
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
WRIT 101	College Writing I **,+	3	_____
Select one of the following:			
M 121	College Algebra **,+	3	_____
M 140	College Math for Healthcare **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____
NOTE: STAT 216 Intro to Statistics will no longer be accepted as a math substitution effective Fall 2014. For transfer students, M 115 Probability and Linear Math will be accepted.			
Subtotal		14-15	_____

GFC MSU Program Course Requirements After Formal Acceptance

Once enrolled in Registered Nurse program, a minimum of a grade of C in all courses is required to continue in the program. In the clinical setting, students must achieve a grade of 75% in all rotations of each clinical experience.

Students are encouraged to take BIOH 211, PSYX 100, SOCI 101, and BIOM 250 with Lab prior to program acceptance due to workload requirements of the RN program.

The courses listed below are required in the program of study for the Associate of Science in Registered Nursing. The courses are offered at Great Falls College MSU in the following sequence:

Course	Title	Credits	Grade/Sem
First Year			
Fall			
BIOH 211	Human Anat Phys II & Lab(=311) **, +	4	_____
NRSG 230	Nursing Pharmacology *, +	3	_____
NRSG 231	Nursing Pharmacology Lab *, +	2	_____
NRSG 232	Foundations of Nursing *, +	3	_____
NRSG 233	Foundations of Nursing Lab *, +	3	_____
	Credits	15	
Spring			
NRSG 234	Adult Nursing I *, +	3	_____
NRSG 235	Adult Nursing I Clinical *, +	2	_____
NRSG 236	Health and Illness of Maternal Nursing *, +	2	_____
NRSG 237	Health and Illness of Maternal Nursing Clinical *, +	1	_____
NRSG 256	Pathophysiology *, +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
	Credits	14	
Second Year			
Fall			
NRSG 244	Adult Nursing II *, +	3	_____
NRSG 245	Adult Nursing II Clinical *, +	2	_____
NRSG 246	Health and Illness of Child and Family Nursing *, +	2	_____
NRSG 247	Health and Illness of Child and Family Nursing Clinical *, +	1	_____
NRSG 255	Mental Health Concepts Clinical *, +	1	_____
NRSG 254	Mental Health Concepts *, +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
	Credits	15	
Spring			
BIOM 250	Microbiology for Hlth Sci wLab *, +	4	_____
NRSG 259	Adult Nursing III *, +	3	_____
NRSG 260	Adult Nursing III Lab *, +	1	_____
NRSG 261	Adult Nursing III Clinical *, +	2	_____
NRSG 267	Managing Client Care for the RN Clinical *, +	2	_____
NRSG 266	Managing Client Care for the RN *, +	2	_____
	Credits	14	
	Total Credits	58	

Total Program Credits: 73

Suggested Electives

These courses are highly recommended in addition to the standard nursing curriculum.

Course	Title	Credits	Grade/Sem
Suggested Electives			
These courses are highly recommended in addition to the standard nursing curriculum.			
AHMS 144	Medical Terminology +	3	_____
Any NASX prefix course +		3	_____
Select one of the following:			
PSYX 230	Developmental Psychology +	3	_____
PSYX 240	Fundamentals of Abnormal Psychology +	3	_____
NUTR 221	Basic Human Nutrition +	3	_____

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C or above is required for graduation.

Outline for Completion of Bachelor of Science for Registered Nurses from Montana Tech

Nursing General Education Requirements

Course	Title	Credits	Grade/Sem
PHL 221	Intro Philosophy &Biomed Ethcs +	3	_____
PSYX 230	Developmental Psychology +	3	_____
STAT 216	Introduction to Statistics **,+	4	_____
WRIT 201	College Writing II *,+	3	_____
HUMN Elective		3	_____

Course	Title	Credits	Grade/Sem
First Year			
Fall			
All Nursing Courses MUST be taken at MT Tech			
ETHICS 325	Professional Ethics	3	_____
NRSG 324	Nursing Research & Evidence Based Practice	3	_____
NRSG 325	Advanced Health Assesment	3	_____
NRSG 361	Global Nursing	3	_____
STAT 216	Intro to Statistics	3	_____
WRIT 322	Advanced Business Writing	3	_____
	Credits	18	
Spring			
All Nursing Courses MUST be taken at MT Tech			
NRSG 320	Nursing Informatics +	3	_____
NRSG 322	Health Promotion & Education +	3	_____
NRSG 326	Complex Health Care Needs +	3	_____
NRSG 344	Family Nursing +	3	_____
PSYX 230	Developmental Psychology +	3	_____
	Credits	15	
Summer			
All Nursing Courses MUST be taken at MT Tech			
NRSG 301	Community Health Nursing +	5	_____
NRSG 302	Community Health Clinical	1	_____
NRSG 363	Nursing Leadership and Management +	5	_____
NRSG 364	Nursing Leadership and Management Clinical	1	_____
Humanities Elective		3	
	Credits	15	
	Total Credits	48	

TOTAL PROGRAM CREDITS: 120

- Montana Tech Clinical Hours Total 90
- All Montana Tech courses are online.

Psychology

Associate of Arts to Park University (p. 132)

Associate of Science to Park University (p. 135)

Associate of Arts to University of Providence (p. 137)

Associate of Arts to Park University

Associate of Arts Degree -- Transfer to Park University in Psychology

The Associate of Arts with articulated coursework is designed for students interested in a Bachelor of Arts in Psychology degree at Park University.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 121	College Algebra **,+	3	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an 'N' behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
WRIT 201	College Writing II *,+	3	_____

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in arts, humanities, and social sciences: (ACTG) Accounting, (ARTH, ARTZ) Art, (ANTY) Anthropology, (BGEN, BMGT, BMKT) Business, (COMX) Communication, (ECNS) Economics, (EDU 221) Educational Psychology, (HSTA, HSTR) History, (LIT) Literature, (LSH) Humanities, (MUSI) Music, (NASX) Native American Studies, (PHL) Philosophy, (PSCI) Political Science, (PSYX) Psychology, (SIGN) American Sign Languages, (SOCI) Sociology, (SPNS) Spanish, and (WGSS) Women's and Gender Studies.

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA.

V. Electives - 17 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
STAT 216	Introduction to Statistics **,+	4	_____

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University

TOTAL PROGRAM CREDITS: 60

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Arts Degree from Park University

I. General Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
Completion of two 4-hour elementary level modern language courses (103 & 104)		8	_____
	OR the second 4-hour elementary level modern language course (104) and one 3-hour intermediate course (201)		
	OR one 3-hour intermediate course		
EN 306	Professional Writing in Discipline	3	_____
Electives **		17-22	_____

II. Core Requirements - 24 Credits

Course	Title	Credits	Grade/Sem
PS/SO 300	Research Methods *	3	_____
PS/SO 307	Statistics for Social Sciences	3	_____
PS 315	Theories of Personality	3	_____
PS/SO 398	Junior Seminar	1	_____
PS 404	History and Systems of Psychology	3	_____
PS 406	Experimental Psychology	3	_____
PS 407	Field Placement in Psychology	3	_____
PS/SO 498	Senior Capstone	2	_____
Select one of the following:			
PS 388	Learning and Motivation	3	_____
PS 408	Cognitive Psychology	3	_____
PS 423	Physiological Psychology	3	_____

III. Electives - choose a minimum of four of the following

Course	Title	Credits	Grade/Sem
PS 205	Child Psychology	3	_____
PS 206	Intro to Guidance and Counseling	3	_____
PS 221	Adolescent Psychology	3	_____
PS 222:	Adult Development and Aging	3	_____
PS/SO 301	Social Psychology	3	_____
PS 302	Tests and Measurements	3	_____
PS 303	Career Counseling and Development	3	_____
PS 309	Human Sexuality	3	_____
PS 317	Psychology of Language	3	_____
PS 341	Positive Psychology	3	_____
PS 358	Applied Behavior Analysis	3	_____
PS 361	Cross-Cultural Psychology	3	_____
PS 363	Psychology of Sport	3	_____
PS 381	Psychology of Gender	3	_____
PS 390	Selected Topics in Psychology	1-3	_____
PS 401	Abnormal Psychology	3	_____
PS 402	Systems of Psychotherapy	3	_____
PS 403	Special Problems in Psychology	3	_____
PS 405	Independent Study in Psychology	1-6	_____
PS 410	Social Influence and Persuasion	3	_____
PS 424	Industrial and Organizational Psychology	3	_____

TOTAL CREDITS: 122*

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

* Degree requires a minor

** Varies based on minor

Associate of Science to Park University

Associate of Science Degree -- Transfer to Park University in Psychology

The Associate of Science with articulated coursework is designed for students interested in a Bachelor of Arts in Psychology degree at Park University.

The Associate of Science (AS) Degree includes education in specific knowledge areas, most typically in math and natural sciences. Focusing on integration of information while increasing a student's employability, the AS is designed for transferability to a baccalaureate program.

To receive the AS degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Math and Science coursework		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			
Total Credits		60	_____

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost *

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,072
Total	$9,042

* **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 121	College Algebra **,+	3	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Math and Science - 10 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **,+	4	_____

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 10 credits of electives. (BIOB) (BIOH) (BIOM) Biology, (CAPP) Computer Applications, (CHMY) Chemistry, (CSCI) Computer Science/Programming, (GEO) Geology, (ITS) Information Technology Systems, (M) Math** (except, M 191A, or M 191B), (PHSX) Physics, (STAT) Statistics

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA.

V. Electives - 17 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
WRIT 201	College Writing II *,+	3	_____

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University

TOTAL PROGRAM CREDITS: 60

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Arts Degree from Park University

I. General Education

Course	Title	Credits	Grade/Sem
	Writing Competency Test -- P		
	Completion of two 4-hour elementary level modern language courses (103 & 104)	8	_____
	OR the second 4-hour elementary level modern language course (104) and one 3-hour intermediate course (201)		
	OR one 3-hour intermediate course		
EN 306	Professional Writing in Discipline	3	_____
	Electives **	17-22	_____

II. Core Requirements - 24 Credits

Course	Title	Credits	Grade/Sem
PS/SO 300	Research Methods *	3	_____
PS/SO 307	Statistics for Social Sciences	3	_____
PS 315	Theories of Personality	3	_____
PS/SO 398	Junior Seminar	1	_____
PS 404	History and Systems of Psychology	3	_____
PS 406	Experimental Psychology	3	_____
PS 407	Field Placement in Psychology	3	_____
PS/SO 498	Senior Capstone	2	_____
Select one of the following:			
PS 388	Learning and Motivation	3	_____
PS 408	Cognitive Psychology	3	_____
PS 423	Physiological Psychology	3	_____

III. Electives - choose a minimum of four of the following

Course	Title	Credits	Grade/Sem
PS 205	Child Psychology	3	_____
PS 206	Intro to Guidance and Counseling	3	_____
PS 221	Adolescent Psychology	3	_____
PS 222:	Adult Development and Aging	3	_____
PS/SO 301	Social Psychology	3	_____
PS 302	Tests and Measurements	3	_____
PS 303	Career Counseling and Development	3	_____
PS 309	Human Sexuality	3	_____
PS 317	Psychology of Language	3	_____
PS 341	Positive Psychology	3	_____
PS 358	Applied Behavior Analysis	3	_____
PS 361	Cross-Cultural Psychology	3	_____
PS 363	Psychology of Sport	3	_____
PS 381	Psychology of Gender	3	_____
PS 390	Selected Topics in Psychology	1-3	_____
PS 401	Abnormal Psychology	3	_____
PS 402	Systems of Psychotherapy	3	_____
PS 403	Special Problems in Psychology	3	_____
PS 405	Independent Study in Psychology	1-6	_____
PS 410	Social Influence and Persuasion	3	_____
PS 424	Industrial and Organizational Psychology	3	_____

TOTAL CREDITS: 122*

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

*   Degree requires a minor

**   Varies based on minor

Associate of Arts to University of Providence

Overview

Associate of Arts Degree with Psychology Coursework Transfer to University of Providence

The Associate of Arts with articulated coursework in Psychology is designed for students interested in a baccalaureate degree in Psychology at the University of Providence.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		13	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		15	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

any students need preliminary math, writing, and biology courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 33 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **, +	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc (Written) +	3	_____

Mathematics - 4 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following			
BIOB 101	Discover Biology/Lab **, +	4	_____
BIOB 160	Princpls of Living Systems/Lab **, +	4	_____
BIOB 170	Prin Biological Diversity/Lab **, +	4	_____
BIOH 104	Basic Human Biology & Lab **, +	4	_____
BIOH 108	Basic Anatomy **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **, +	4	_____
CHMY 141	College Chemistry I w/Lab **, +	4	_____
CHMY 143	College Chemistry II w/Lab **, +	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab **, +	4	_____
PHSX 205	College Physics I w/Lab **, +	4	_____
PHSX 220	Physics I w/Lab **, +	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement.			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
PSYX 230	Developmental Psychology +	3	_____
PSYX 240	Fundamentals of Abnormal Psychology *,+	3	_____
PSYX 260	Fundamentals of Social Psychology *,+	3	_____
WRIT 201	College Writing II *, +	3	_____

V. Electives - 13 credits

Course	Title	Credits	Grade/Sem
Students may choose coursework numbered 100 or above from any discipline area to complete the required 13 credits of electives.			
No more than 5 credits of courses numbered 194 may be applied toward the Degree.			

Total Program Credits - 61

Outline for Completion of the Bachelor of Arts in Psychology Degree from The University of Providence

The Associate of Arts with articulated coursework in Psychology is designed for students interested in a baccalaureate degree in Psychology at the University of Providence.

I. Psychology Major

Credits & courses dependent upon articulation course taken at GFC MSU

Course	Title	Credits	Grade/Sem
Remaining general education credits and goal areas		13	_____
PSY 201	Personality Theory	3	_____
PSY 220	Sociocultural & International Awareness		
PSY 326	Ethics in Human Services	3	_____
PSY 355	Principles of Conditioning and Learning	3	_____
PSY 356	Cognitive Psychology	3	_____
PSY 422	Experimental Psychology	4	_____
PSY 450	Physiological Psychology	3	_____
PSY 490	Senior Psych Capstone Seminar	4	_____
SCS 312	Social Research Methods & Applied Statistics	4	_____
Specialized Concentrations Requirements		11-13	_____
Electives		9	_____

II. Total Credits Towards Degree

61 CREDITS (AA from GFC MSU)
59-61 CREDITS (BS–UP)
120-122 TOTAL CREDITS

UP Graduation Requirements:

1. Complete a minimum of 128 credits.
2. Maintain a cumulative University of Providence grade point average of 2.00 or higher.
3. Complete the University Core curriculum.
4. Complete a major. All courses used to complete the requirements of a major, minor, or concentration must have a grade of C or better. Some majors may require completion of a minor or concentration.
5. Complete thirty of the last forty semester hours of coursework at the University of Providence. Students enrolled in an approved Servicemembers Opportunity Colleges Army Degree (SOCAD) program may satisfy the academic residency requirements with coursework taken at any time during their enrollment at the university.
6. Complete a minimum of 40% or 15 credits of their major (whichever is greater) and a minimum of 40% of their minor in residency at the University of Providence. Completion of credits within a concentration will not count toward residency in the major. This requirement does not apply to those completing an approved major or minor in University Studies.
7. Complete at least thirty-two credits in upper division coursework (courses numbered 300 or higher), at least sixteen of which must be from the University of Providence. (Students should complete at least twelve of these credits in coursework outside the student's major and minor or concentration.)
8. Apply for graduation in accordance with the prescribed deadlines.
9. Comply with all university policies, rules, and regulations.
10. Pay all indebtedness to the university.

Secondary Education

- Associate of Arts to University of Providence (p. 139)

Associate of Arts to University of Providence

Associate of Arts Degree with Secondary Education Coursework Transfer to University of Providence

The Associate of Arts with articulated coursework in Education is designed for students interested in a baccalaureate degree in Secondary Education at the University of Providence.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.
- Select and use the appropriate technologies for personal, academic, or career tasks.
- Think critically about theories and applications from multiple disciplines when evaluating information, solving problems, and making decisions.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$65
Books/Supplies	$2,046
Total	$9,017

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 33 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc (Verbal) +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **,+	3	_____
Or any math courses in the MUS core			

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
Select one of the following:			
Humanities			
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
WGSS 242	Gender and Equality +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select from the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
EDU 221	Ed Psych & Measurement +	3	_____
WRIT 201	College Writing II *,+	3	_____
Select one of the following:			
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

V. Articulated Coursework - 24 Credits

Course	Title	Credits	Grade/Sem
EDU 200	Introduction to Education +	3	_____
EDU 211	Multicultural Education +	3	_____
EDU 270	Instructional Tech (=370) *,+	3	_____
Electives ^,+		15	_____

TOTAL PROGRAM CREDITS: 71-72

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

^   Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at UGF.

Outline for Completion of The Bachelor of Arts in Secondary Education Degree from The University of Providence

The Associate of Arts with articulated coursework in Education is designed for students interested in a baccalaureate degree in Secondary Education at the University of Providence.

I. Remaining University Requirements

Course	Title	Credits	Grade/Sem
Select from the following:			
EDU 261	Intro to Exceptionalities	3	_____
EDU 315	Assessment of Learning	2	_____
EDU 338	Teaching Reading - Content Area	2	_____
EDU 430	Secondary Schl Teaching Prof	2	_____
EDU 472	PPIE Middle School	2	_____
EDU 482	PPIE High School	2	_____
EDU 489	Elem/Sec Ed Internship	2	_____
EDU 498	Secondary/Internship	10	_____
Methods Course specific to major or minor		2	_____
Second, teachable major and/or minor		21-50	_____

*   Secondary education students majoring or minoring in Art, HPE, or Special Education or completing the Reading Instruction concentration will receive a K-12 endorsement for that subject area and must therefore complete EDU 462 PPIE Elementary in lieu of EDU 472 PPIE Middle School.

III. Dual Major Necessary for Completion of Secondary Education Degree From UP

IV. Minor Necessary for Completion of Secondary Education Degree from UP

V. TOTAL CREDITS TOWARDS DEGREE

71-72 CREDITS (AA from GFC MSU)
63-92 CREDITS (BA–UP)
REMAINING CREDITS (Dual Major & Concentration)
134-164 TOTAL CREDITS necessary for Graduation

UP Graduation Requirements:

1. Complete a minimum of 128 credits.
2. Maintain a cumulative University of Providence grade point average of 2.00 or higher.
3. Complete the University Core curriculum.
4. Complete a major. All courses used to complete the requirements of a major, minor, or concentration must have a grade of C or better. Some majors may require completion of a minor or concentration.
5. Complete thirty of the last forty semester hours of coursework at the University of Providence. Students enrolled in an approved Servicemembers Opportunity Colleges Army Degree (SOCAD) program may satisfy the academic residency requirements with coursework taken at any time during their enrollment at the university.
6. Complete a minimum of 40% or 15 credits of their major (whichever is greater) and a minimum of 40% of their minor in residency at the University of Providence. Completion of credits within a concentration will not count toward residency in the major. This requirement does not apply to those completing an approved major or minor in University Studies.
7. Complete at least thirty-two credits in upper division coursework (courses numbered 300 or higher), at least sixteen of which must be from the University of Providence. (Students should complete at least twelve of these credits in coursework outside the student's major and minor or concentration.)
8. Apply for graduation in accordance with the prescribed deadlines.
9. Comply with all university policies, rules, and regulations.
10. Pay all indebtedness to the university.

Social Psychology

Associate of Arts to Park University

Associate of Arts Degree -- Transfer to Park University in Social Psychology

The Associate of Arts with articulated coursework is designed for students interested in a Bachelor of Science in Social Psychology degree at Park University.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's

employability, the AA is designed for transferability to a baccalaureate program.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____

Final cumulative grade point average of at least 2.0

Courses taken to fulfill one specific requirement, including courses in the Concentration or Elective blocks, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Cultural Diversity requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this curriculum. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,046
Total	$9,017

*   **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 121	College Algebra **,+	3	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an 'N' behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 Credits

Course	Title	Credits	Grade/Sem
WRIT 201	College Writing II *,+	3	_____

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of coursework in arts, humanities, and social sciences: (ACTG) Accounting, (ARTH, ARTZ) Art, (ANTY) Anthropology, (BGEN, BMGT, BMKT) Business, (COMX) Communication, (ECNS) Economics, (EDU 221) Educational Psychology, (HSTA, HSTR) History, (LIT) Literature, (LSH) Humanities, (MUSI) Music, (NASX) Native American Studies, (PHL) Philosophy, (PSCI) Political Science, (PSYX) Psychology, (SIGN) American Sign Languages, (SOCI) Sociology, (SPNS) Spanish, and (WGSS) Women's and Gender Studies.

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA.

V. Electives - 17 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University

TOTAL PROGRAM CREDITS: 60

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

+   A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Science Degree from Park University
I. General Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
Upper Division		6	_____
Electives **		17-22	_____

II. Core Requirements

Course	Title	Credits	Grade/Sem
PS/SO 301	Social Psychology	3	_____
PS 315	Theories of Personality	3	_____
SO 206	Social Issues in Contemporary Society	3	_____
SO 451	Advanced Social Psychology	3	_____
Research Methods and Statistics			
PS/SO 300	Research Methods *	3	_____
PS/SO 307	Statistics for Social Sciences	3	_____
Professional Seminars			
PS/SO 398	Junior Seminar	1	_____
PS/SO 498	Senior Capstone	2	_____

III. Electives - choose a minimum of four of the following

Course	Title	Credits	Grade/Sem
PS 302	Tests and Measurements	3	_____
PS 303	Career Counseling and Development	3	_____
PS 309	Human Sexuality	3	_____
PS 317	Psychology of Language	3	_____
PS 341	Positive Psychology	3	_____
PS 358	Applied Behavior Analysis	3	_____
PS 361	Cross-Cultural Psychology	3	_____
PS 363	Psychology of Sport	3	_____
PS 381	Psychology of Gender	3	_____
PS 388	Learning and Motivation	3	_____
PS 390	Selected Topics in Psychology	1-3	_____
PS 401	Abnormal Psychology	3	_____
PS 402	Systems of Psychotherapy	3	_____
PS 403	Special Problems in Psychology	3	_____
PS 404	History and Systems of Psychology	3	_____
PS 405	Independent Study in Psychology	1-6	_____
PS 406	Experimental Psychology	3	_____
PS 407	Field Placement	1-6	_____
PS 408	Cognitive Psychology	3	_____
PS 410	Social Influence and Persuasion	3	_____
PS 423	Physiological Psychology	3	_____
PS 424	Industrial and Organizational Psychology	3	_____
SO 210	Social Institutions	3	_____
SO 220	Ethical Iss in Social Sciences	3	_____
SO 302	The Study of the Family	3	_____
SO 303	Urban Sociology	3	_____
SO 309	Sociology of Sport	3	_____
SO 315	Minority Group Relations	3	_____
SO 318	Military Sociology	3	_____
SO 322	Sociology of Health and Illness	3	_____
SO 325	Social Deviance	3	_____
SO 326	Sociology of Conflict, War and Terror	3	_____
SO 328	Sociology of Religion	3	_____
SO 329	Sociology of the Life Course	3	_____
SO 330	Sociology of Youth & Youth Cultures	3	_____
SO 332	Dying, Death and Bereavement	3	_____
SO 390	Topics in Sociology	3	_____
SO 402	Independent Study in Sociology	3	_____
SO 403	Social Theory	3	_____
SO 421	Organizational Sociology	3	_____
SO 425	Sociology of Work and Professions	3	_____
SO 455	Program & Policy Evaluation	3	_____
SO 459	Survey Methodology	3	_____
SO 490	Special Topics in Sogy	1-4	_____

TOTAL CREDITS: 120

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

Associate of Science to Park University

Associate of Science Degree -- Transfer to Park University in Social Psychology

The Associate of Science with articulated coursework is designed for students interested in a Bachelor of Science in Social Psychology degree at Park University.

The Associate of Science (AS) Degree includes education in specific knowledge areas, most typically in math and natural sciences. Focusing on integration of information while increasing a student's employability, the AS is designed for transferability to a baccalaureate program.

To receive the AS degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Math and Science coursework		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			
Total Credits		60	_____

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Estimated Cost

Estimated Resident Program Cost *

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,072
Total	$9,042

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for Confirmed premium rates. Students will be charges an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

OFFERED ONLINE AND ON CAMPUS

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

NO MORE THAN 5 CREDITS OF COURSES NUMBERED 194 MAY BE APPLIED TOWARD THE DEGREE.

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 Semester Hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 121	College Algebra **,+	3	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select two of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *,+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

IV. Concentration in Math and Science - 9 Credits

Students may choose coursework numbered 100 or above from any of the following discipline areas to complete the required 9 credits of electives. (BIOB) (BIOH) (BIOM) Biology, (CAPP) Computer Applications, (CHMY) Chemistry, (CSCI) Computer Science/Programming,

(GEO) Geology, (ITS) Information Technology Systems, (M) Math** (except, M 191A, or M 191B), (PHSX) Physics, (STAT) Statistics

COURSES NUMBERED 194 WILL NOT BE APPLIED TO THE CONCENTRATION AREA.

V. Electives - 17 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
WRIT 201	College Writing II *,+	3	_____

Students may choose coursework numbered 100 or above from any discipline area to complete the required 17 credits of electives. Please see your advisor in regard to elective credits that will transfer to an applicable major and/or minor at Park University

TOTAL PROGRAM CREDITS: 60

*   Indicates prerequisite needed

**   Placement in course(s) is determined by placement assessment

\+   A grade of C- or above is required for graduation

Outline for Completion of Bachelor of Science Degree from Park University

I. General Education

Course	Title	Credits	Grade/Sem
Writing Competency Test -- P			
Upper Division		6	_____
Electives **		17-22	_____

II. Core Requirements

Course	Title	Credits	Grade/Sem
PS/SO 301	Social Psychology	3	_____
PS 315	Theories of Personality	3	_____
SO 206	Social Issues in Contemporary Society	3	_____
SO 451	Advanced Social Psychology	3	_____
Research Methods and Statistics			
PS/SO 300	Research Methods *	3	_____
PS/SO 307	Statistics for Social Sciences	3	_____
Professional Seminars			
PS/SO 398	Junior Seminar	1	_____
PS/SO 498	Senior Capstone	2	_____

III. Electives - choose a minimum of four of the following

Course	Title	Credits	Grade/Sem
PS 302	Tests and Measurements	3	_____
PS 303	Career Counseling and Development	3	_____
PS 309	Human Sexuality	3	_____
PS 317	Psychology of Language	3	_____
PS 341	Positive Psychology	3	_____
PS 358	Applied Behavior Analysis	3	_____
PS 361	Cross-Cultural Psychology	3	_____
PS 363	Psychology of Sport	3	_____
PS 381	Psychology of Gender	3	_____
PS 388	Learning and Motivation	3	_____
PS 390	Selected Topics in Psychology	1-3	_____
PS 401	Abnormal Psychology	3	_____
PS 402	Systems of Psychotherapy	3	_____
PS 403	Special Problems in Psychology	3	_____
PS 404	History and Systems of Psychology	3	_____
PS 405	Independent Study in Psychology	1-6	_____
PS 406	Experimental Psychology	3	_____
PS 407	Field Placement	1-6	_____
PS 408	Cognitive Psychology	3	_____
PS 410	Social Influence and Persuasion	3	_____
PS 423	Physiological Psychology	3	_____
PS 424	Industrial and Organizational Psychology	3	_____
SO 210	Social Institutions	3	_____
SO 220	Ethical Iss in Social Sciences	3	_____
SO 302	The Study of the Family	3	_____
SO 303	Urban Sociology	3	_____
SO 309	Sociology of Sport	3	_____
SO 315	Minority Group Relations	3	_____
SO 318	Military Sociology	3	_____
SO 322	Sociology of Health and Illness	3	_____
SO 325	Social Deviance	3	_____
SO 326	Sociology of Conflict, War and Terror	3	_____
SO 328	Sociology of Religion	3	_____
SO 329	Sociology of the Life Course	3	_____
SO 330	Sociology of Youth & Youth Cultures	3	_____
SO 332	Dying, Death and Bereavement	3	_____
SO 390	Topics in Sociology	3	_____
SO 402	Independent Study in Sociology	3	_____
SO 403	Social Theory	3	_____
SO 421	Organizational Sociology	3	_____
SO 425	Sociology of Work and Professions	3	_____
SO 455	Program & Policy Evaluation	3	_____
SO 459	Survey Methodology	3	_____
SO 490	Special Topics in Sogy	1-4	_____

TOTAL CREDITS: 120

Up to 75 credits from Great Falls College MSU may be applied toward graduation requirements at Park University. Residency requirement of 30 hours at Park with 15 hours in major core.

Transferable Programs of Study

Great Falls College MSU has a number of Programs of Study with Montana public and private colleges and universities. These make it possible for students to plan a program of study that begins with a series of courses at Great Falls College MSU and leads to a two- or four-year degree from another college or university. These Programs of Study are designed to maximize the number of credits students will be able to transfer and to minimize students' time to earn a degree.

Students interested in attending Great Falls College MSU and utilizing a Program of Study listed in the catalog are encouraged to indicate their interest to an Academic Advisor prior to or during their first term in attendance.

BSN Nursing with MSU-Bozeman

This program of study is designed for students planning to apply to the MSU-Bozeman BSN Nursing Program.

Students must earn a grade of 'C' or better (not "C-") in each of the courses with no more than one repeat per course. Students must apply to Montana State University-Bozeman's College of Nursing and go through the placement process. The College of Nursing has two separate application rounds. Please contact Wendy Minster, Program Assistant at 406.771.4451 for more information.

The information on transfer programs is subject to change. Students should contact: MSU-Bozeman College of Nursing, Great Falls Campus at 771.4450 or the main campus at 406.994.3783.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this plan of study. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab/Course Fees	$235
Books	$2,464
Total	$9,565

*   **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. Montana University System Core - 32 Credits

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
Select one of the following:			
COMX 111	Intro to Public Speaking	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 4 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **,+	4	_____

Humanities - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____

Fine Arts - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Sciences - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
NUTR 221	Basic Human Nutrition +	3	_____

Social Sciences - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____

II. Additional Required Courses - 19 Credits

Course	Title	Credits	Grade/Sem
BIOH 201	Human Anat Phys I/Lab (= 301) **,+	4	_____
BIOH 211	Human Anat Phys II & Lab(=311) *,+	4	_____
BIOM 250	Microbiology for Hlth Sci wLab *,+	4	_____
CHMY 123	Intro to Organic/Biochem w/Lab *,+	4	_____
SOCI 101	Introduction to Sociology +	3	_____

A student must complete CHMY 121 prior to, or concurrently with, BIOH 201.

If you are interested in completing an Associate of Science with Great Falls College Montana State University, please contact your advisor to determine the additional courses needed.

* Indicates prerequisites needed.
** Placement in course(s) is determined by placement assessment.
+ A grade of C or above is required for graduation.

Early Childhood Education UM-Western AAS

This program of study is designed for students planning to apply to the UM Western – Associate of Applied Science Degree in Early Childhood Education

Students may begin pursuit of a baccalaureate degree from UM-Western by following the plan of study below. By completing the plan of study, students can be dually enrolled into UM-Western's Associate of Applied Science degree in Early Childhood Education program.

THE INFORMATION ON TRANSFER PROGRAMS IS SUBJECT TO CHANGE. Students should contact Dr. Julie Bullard, ECE Program Director, at UM-Western for potential changes: 406.683.7809, j_bullard@umwestern.edu

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this plan of study. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$35
Books/Supplies	$1,091
Total	$7,991

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Program Course Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. General Education Courses - 19 credits

Foundations of Language - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 4 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
M 151	Precalculus **,+	4	_____
M 161	Survey of Calculus **,+	4	_____
M 171	Calculus I **,+	4	_____
STAT 216	Introduction to Statistics **,+	4	_____

Behavioral/Social Sciences - 6 Credits

Course	Title	Credits	Grade/Sem
ANTY 101	Anthro & the Human Experience +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

Introduction to Computers - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

II. Early Childhood Core Courses - 9 Credits

Safety, Health and/or Nutrition - 3 Credits

Course	Title	Credits	Grade/Sem
HTH 201	Health Issues for Educators +	3	_____

Cultural Course - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
HSTA 101	American History I ((N)) +	3	_____
HSTA 102	American History II ((N)) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy ((N)) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) ((N)) +	3	_____
PSYX 230	Developmental Psychology +	3	_____

Humanities/Creative Arts - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ARTH 160	Global Visual Culture +	3	_____
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
PHL 101	Introduction to Philosophy +	3	_____

III. Professional Electives - 7-14 Credits

In consultation with UM Western's Early Childhood advisor.

Courses numbered 194 will not be applied to the concentration area, and no more than 5 credits from 194 will be applied toward the degree.

TOTAL CREDITS: 35-42

Outline for completion of Associate of Applied Science Degree in Early Childhood with UM Western

IV. Early Childhood Core Courses - 27 Credits

Course	Title	Credits	Grade/Sem
EDEC 108	Introduction to EC Education	1	_____
EDEC 109	Introduction to EC Education	1	_____
EDEC 210	Meeting the Needs of Families	2	_____
EDEC 211	Mtng the Needs of Families Lab	1	_____
EDEC 220	Crting Envrnmnt for Lrnng, EC	2	_____
EDEC 221	Crtng Envrnmnt Lrnng, EC Lab	1	_____
EDEC 230	Positive Child Guidance	2	_____
EDEC 231	Positive Child Guidance Lab	1	_____
EDEC 247	Child and Adolescent Dvlpmnt	3	_____
EDEC 248	Child and Adolesc Dvlpmnt Lab	1	_____
EDEC 265	Ldrshp & Professnlsm in EC Ed	2	_____
EDEC 266	Ldrshp & Profess in EC Ed Lab	1	_____
EDEC 281	EC Curr Dsgn & Implemnt I	2	_____
EDEC 282	EC Curr Dsgn & Implemnt I Lab	1	_____
EDEC 283	EC Curr Dsgn & Implemnt II	2	_____
EDEC 284	EC Curr Dsgn & Implemnt II Lab	1	_____
EDEC 345	Creative Curr & Dvlpmnt for Y. Child	3	_____
Total Credits		27	_____

TOTAL PROGRAM CREDITS: 62-69

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Early Childhood Education UM-Western BS

This program of study is designed for students planning to apply to the UM Western – Bachelor of Science in Early Childhood Education

Students may begin pursuit of a baccalaureate degree from UM-Western by following the plan of study below. By completing the plan of study, students can be dually enrolled into UM-Western's Bachelor of Science in Early Childhood Education program.

THE INFORMATION ON ALL TRANSFER PROGRAMS IS SUBJECT TO CHANGE. STUDENTS SHOULD CONTACT Dr. Julie Bullard, ECE program director, AT UM-WESTERN FOR POTENTIAL CHANGES: 406.683.7809, j_bullard@umwestern.edu

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this plan of study. Please contact the partnering school for information on the estimated cost of classes there.

Tution and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,050
Total	$9,020

* **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

If you are interested in completing an Associate of Arts with Great Falls College MSU, please contact your advisor to determine the additional courses needed.

I. Montana University System Core Courses - 31-32 semester hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3-4 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
M 105	Contemporary Mathematics	3	_____
M 121	College Algebra **,+	3	_____
M 151	Precalculus **,+	4	_____
M 171	Calculus I **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
Select one of the following:			
LIT 110	Intro to Lit +	3	_____
LIT 291	Special Topics-Literature +	3	_____
PHL 101	Introduction to Philosophy +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select one of the following:			
CHMY 101	Discover Chemistry +	3	_____
NUTR 221	Basic Human Nutrition +	3	_____
Select one of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
Select one of the following:			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

II. Computer Literacy - 3 Credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

III. Additional Coursework - 6 Credits

Course	Title	Credits	Grade/Sem
Select one of the following:			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
AND			
HTH 201	Health Issues for Educators +	3	_____

IV. Area of Emphasis Courses - 12 credits

In consultation with UM Western's Early Childhood advisor

V. Elective Courses - 5-6 Credits

In consultation with UM Western's Early Childhood advisor

TOTAL PROGRAM CREDITS: 57-58

Outline for completion of bachelor of Science degree in Early Childhood – with UM -Western

I. Early Childhood Core

Course	Title	Credits	Grade/Sem
EDEC 109	Introduction to EC Education	1	_____
EDEC 110	Intro to EC Education Lab	1	_____
EDEC 210	Meeting the Needs of Families	2	_____
EDEC 211	Mtng the Needs of Families Lab	1	_____
EDEC 220	Crting Envrmnt for Lrnng, EC	2	_____
EDEC 221	Crting Envrmnt Lrnng, EC Lab	1	_____
EDEC 230	Positive Child Guidance	2	_____
EDEC 231	Positive Child Guidance Lab	1	_____
EDEC 247	Child and Adolescent Dvlpmnt	3	_____
EDEC 248	Child and Adolescent Dvlpmnt Lab	1	_____
EDEC 265	Ldrshp & Professnlsm in EC Ed	2	_____
EDEC 266	Ldrshp & Profess in EC Ed Lab	1	_____
EDEC 281	EC Curr Dsgn & Implement I	2	_____
EDEC 282	EC Curr Dsgn & implemnt I Lab	1	_____
EDEC 283	EC Curr Dsgn & implemnt II	2	_____
EDEC 284	EC Curr Dsgn & implemnt II Lab	1	_____

II. Early Childhood Specialty Courses

Course	Title	Credits	Grade/Sem
EDEC 249	Infant/Toddler Dev & Group Care	4	_____
ED 341	Exceptional Learner	3	_____
EDEC 450	Literacy in the EC Classroom	3	_____
EDEC 352	Math and Science for EC	3	_____
EDEC 353	Fostering Movement in Yng Ch	1	_____
EDEC 430	Soc/Emot Dvlpmnt in Yng Child	3	_____
EDEC 452	Reggio Emilia & Project Apprch	3	_____
EDEC 410	Family, Communites, Culture	3	_____
EDEC 405	Assesment in EC	3	_____
EDEC 445	Child Dev Research	3	_____
EDEC 460	Mentoring and Coaching in ECE	3	_____
EDEC 496	EC Advanced Practicum	6	_____

Total Credits: 62

TOTAL PROGRAM CREDITS: 120

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

\+ A grade of C- or above is required for graduation.

Associate of Arts Transfer in Music

Overview

Associate of Arts Degree with Music Transfer to MSU & UM

This Associate of Arts with coursework in Music is designed for students interested in a baccalaureate degree in Music.

The Associate of Arts (AA) includes education across academic disciplines. Focusing on integration of information while increasing a student's employ-ability, the AA is designed for transfer-ability to a baccalaureate program.

Upon completion of the 31 credits required in the core, students are eligible to receive a Certificate in General Studies from Great Falls College MSU. The Certificate recognizes the completion of the core and is approved by the Montana University System Board of Regents. Students may use the Certificate to demonstrate completion of the core when transferring within the MUS or as a milestone to earning an Associate of Arts or Associate of Science degree at Great Falls College MSU.

To receive the AA degree, the following requirements must be completed:

Course	Title	Credits	Grade/Sem
Montana University System Core Requirements		31	_____
Computer Skills/Usage requirement		3	_____
Coursework in Arts, Humanities, and Social Sciences		9	_____
Electives		17	_____
Final cumulative grade point average of at least 2.0			

Courses taken to fulfill one specific requirement, including courses in the Elective block, may not be used to fulfill another specific requirement; thus, a course taken to fulfill the Natural Science requirement in the Montana University System Core may not be used as an Elective.

Outcomes

Graduates are prepared to:

- Demonstrate the outcomes achievable by completing the Montana University System Core.

- Select and use the appropriate technologies for personal, academic, or career tasks.

- Think critically in evaluating information, solving problems, and decision-making.

- Consider the application of the natural and physical sciences and mathematics in the context of today's world.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$6,835
Application Fee	$30
Lab Fees	$105
Books/Supplies	$2,048
Total	$9,018

* **Fall 2018 MUS Student Health Insurance Premiums will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many Students need preliminary math, science, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

Students who plan to transfer should consult with the intended receiving institution to determine whether or not additional core courses may be required to satisfy the institution's General Education Core.

Offered Online and On Campus

I. GFC MSU Additional Graduation Requirement

II. Montana University System Core Courses - 31 semester hours

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____
COMX 115	Intro to Interpersonal Communc +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
M 105	Contemporary Mathematics **,+	3	_____
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Humanities			
CRWR 240	Intro Creative Writing Wrkshp +	3	_____
LIT 110	Intro to Lit +	3	_____
LIT 270	Film and Literature *,+	3	_____
LIT 291	Special Topics-Literature +	3	_____
LSH 201	Introduction to the Humanities +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
PHL 110	Introduction to Ethics +	3	_____
WGSS 242	Gender and Equality +	3	_____
Fine Arts			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____

Natural Science - 7 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
BIOH 108	Basic Anatomy **,+	4	_____
CHMY 101	Discover Chemistry +	3	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
NUTR 221	Basic Human Nutrition +	3	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
Social Sciences			
BGEN 105	Introduction to Business +	3	_____
CJUS 121	Intro to Criminal Justice +	3	_____
ECNS 201	Principles of Microeconomics +	3	_____
ECNS 202	Principles of Macroeconomics +	3	_____
PSCI 210	Intro to American Government +	3	_____
PSYX 100	Introduction to Psychology +	3	_____
PSYX 230	Developmental Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____
History			
HSTA 101	American History I (N) +	3	_____
HSTA 102	American History II (N) +	3	_____
HSTA 255	Montana History (N) +	3	_____
HSTR 101	Western Civilization I +	3	_____
HSTR 102	Western Civilization II +	3	_____

Cultural Diversity - 3 Credits

Course	Title	Credits	Grade/Sem
ANTY 101	Anthro & the Human Experience +	3	_____
LSH 244	American Cultural Values +	3	_____
NASX 204	Intro to NA Beliefs & Philsphy (N) +	3	_____
NASX 232	MT Ind Cltrs/Hstry/Iss (=332) (N) +	3	_____
NASX 240	Native American Lit (=to 340) (N) +	3	_____
SIGN 101	Intro to American Sign Lang +	3	_____
SPNS 101	Elementary Spanish I +	4	_____
SPNS 102	Elementary Spanish II *.+	4	_____

Cultural Heritage of American Indians - 3 Credits

Course	Title	Credits	Grade/Sem
Courses with an "N" behind the course title will fulfill the Cultural Heritage of American Indians requirement as well as a designated core area requirement. +			

III. Computer Skills/Usage - 3 credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score. Students, who demonstrate compentency through the exam, will need to take 3 additional elective credits to complete the Associate of Arts.			

IV. Concentration in Arts, Humanities, and Social Sciences - 9 credits

Course	Title	Credits	Grade/Sem
To be completed from list of Required electives below: +			

V. Required Electives - 17 credits

Course	Title	Credits	Grade/Sem
Students are required to complete all of the electives listed below.			
Nine credits from the list below will be used to fulfill the Concentration in Arts, Humanities, and Social Sciences listed in Section IV.			
An additional 2 credits or applied lesson or ensemble are the recommended electives to complete the required elective requirements.			
MUSI 105	Music Theory I *	3	_____
MUSI 106	Music Theory II *	3	_____
MUSI 112	College Choir	1	_____
MUSI 135	Keyboard Skills I	1	_____
MUSI 136	Keyboard Skills II *	1	_____
MUSI 140	Aural Perception I *	2	_____
MUSI 141	Aural Perception II *	2	_____
MUSI 195	Applied Music I *	1	_____
MUSI 205	Music Theory III *	3	_____
MUSI 206	Music Theory IV *	3	_____
MUSI 240	Aural Perception III *	2	_____
MUSI 241	Aural Perception IV *	2	_____
Students are encouraged to see their advisor in regard to elective and concentration credits that will transfer to the applicable major and/or minor at the 4 year institution. Students may be required to audition at the 4 year insitution.			

Total Program Credits - 60

+   A grade of C- or above is required for graduation.

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

***   Students may not choose or may not count the following courses: COMX 102, WRIT 104, MATH 100, MATH 101, MATH 103, MATH 104, MATH 108, M 108, M 111, M 191A, M 191B, ENGL 118, ENGL 119, ENGL 120

UP Core

This program of study is designed for students planning to apply to the University of Providence.

Students may begin pursuit of a baccalaureate degree from UP by following the articulated plan of study.

The information on transfer programs is subject to change. Students should contact the Admissions Office at UP for potential changes: 406.791.5202.

Estimated Cost

Estimated Resident Program Cost*

Estimated costs are for the Great Falls College portion of this plan of study. Please contact the partnering school for information on the estimated cost of classes there.

Tuition and Fees	$3,418
Application Fee	$30
Lab Fees	$91
Books/Supplies	$1,676
Total	$5,215

* **Fall 2018, MUS Student Health Insurance Premium will be changing. Please check the** Health Insurance website **(**http://students.gfcmsu.edu/insurance.html**) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

I. General Education Core Courses - 25 Credits

Communication - 6 Credits (3 credits written, 3 credits verbal)

Course	Title	Credits	Grade/Sem
Written			
WRIT 101	College Writing I **,+	3	_____
Verbal			
COMX 111	Intro to Public Speaking +	3	_____

Mathematics - 3 Credits

Course	Title	Credits	Grade/Sem
STAT 216	Introduction to Statistics **,+	4	_____

Humanities/Fine Arts - 6 Credits

Course	Title	Credits	Grade/Sem
Fine Arts			
Select one of the following:			
ARTH 160	Global Visual Culture +	3	_____
ARTZ 101	Art Fundamentals +	3	_____
ARTZ 105	Visual Language-Drawing +	3	_____
MUSI 101	Enjoyment of Music +	3	_____
MUSI 103	Fundamntls of Musical Creation +	3	_____
MUSI 203	American Popular Music +	3	_____
MUSI 207	World Music (equiv to 307) +	3	_____
Humanities			
Select one of the following:			
LIT 110	Intro to Lit +	3	_____
PHL 101	Introduction to Philosophy +	3	_____
WGSS 242	Gender and Equality +	3	_____

Natural Science - 4 Credits (Must include 1 lab course)

Course	Title	Credits	Grade/Sem
Select one of the following:			
BIOB 101	Discover Biology/Lab **,+	4	_____
BIOB 160	Princpls of Living Systems/Lab **,+	4	_____
BIOB 170	Prin Biological Diversity/Lab **,+	4	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
CHMY 121	Intro to General Chem w/Lab **,+	4	_____
CHMY 141	College Chemistry I w/Lab **,+	4	_____
CHMY 143	College Chemistry II w/Lab *,+	4	_____
GEO 101	Intro to Physical Geologyw/Lab +	4	_____
PHSX 105	Fund of Physical Science w/Lab +	4	_____
PHSX 205	College Physics I w/Lab **,+	4	_____
PHSX 220	Physics I w/Lab **,+	4	_____

Social Sciences/History - 6 Credits

Course	Title	Credits	Grade/Sem
PSYX 100	Introduction to Psychology +	3	_____
SOCI 101	Introduction to Sociology +	3	_____

II. Computer Skills/Usage – 3 Credits

Course	Title	Credits	Grade/Sem
CAPP 131	Basic MS Office +	3	_____
OR a satisfactory Computer Skills test score.			

III. Articulation Coursework – 3 Credits

Course	Title	Credits	Grade/Sem
WRIT 201	College Writing II *,+	3	_____

TOTAL PROGRAM CREDITS: 29

Outline for the Completion of the University Core Curriculum from The University of Providence

Foundation Skills Courses - 6 Credits

Course	Title	Credits	Grade/Sem
CPS 110	Conquering the Digital Divide +	3	_____
TRL 200	Fund. Of Christian Theology +	3	_____

Great Questions Courses - 8 credits

Course	Title	Credits	Grade/Sem
ILC 330x	What is Truth +	4	_____
ILC 350x	What is the Common Good +	4	_____

Upper Division Writing Course - 3 credits

Course	Title	Credits	Grade/Sem
ENG 300-319	Upper level writing course +	3	_____

*   Indicates prerequisites needed.

**   Placement in course(s) is determined by placement assessment.

+   A grade of C- or above is required for graduation.

Course Descriptions

This section includes a brief description of each course offered on a regular basis by Great Falls College MSU.

Each listing includes a course number, course title, number of credits awarded, prerequisites, corequisites, terms the course is offered, and course descriptions. The following letters are used to specify the term each course is offered:

- F - Fall Semester
- S - Spring Semester
- Su - Summer Term

Please Note: Courses scheduled for any term may be cancelled due to low enrollment.

While the terms each course is offered are shown, students should consult the Schedule of Classes each term before they register, in order to find the most up-to-date information on course offerings. Courses offered on "Sufficient Demand" are indicated as such in the course descriptions.

Definitions

Corequisite

A corequisite is a control measure for enrollment in a particular course, group of courses, or a program. A corequisite course must be taken at the same time as another course or series of courses. Some corequisite courses are linked by content, and other times courses are designated as corequisites to keep a cohort of students together. See specific program handbooks for the application of this tool in specific programs.

Prerequisite

A prerequisite is a course or placement score that is required before a student is eligible for the next process or course. Many programs have groups of courses that are prerequisites to their application process. Many courses have prerequisites that are another course or a score on a placement test (ACT/SAT/Compass). See each course description or program application documents for details.

Consult the Programs and Transfer sections of this catalog and/or an advisor for specific information about each course and which courses meet program or transfer requirements.

** Please note that most GFC MSU courses require you to utilize advanced technology. Examples include online research, library usage, computer communication, electronic submission of assignments, online quizzes, etc.

Accounting (ACTG)

Courses

ACTG 094 PCE Non-Credit ACTG Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

ACTG 101 Accounting Procedures I
Credits: 3
Term: (F, S)
Prerequisite: M 065 or higher or qualifying placement score within the past 3 years
Content of the course covers the complete accounting cycle, including creating source documents, journalizing transactions, posting to ledgers, preparing worksheets, and basic financial statements, including the income statement and balance sheet, end-of-period closing activities, payroll, and special journals for both service and merchandising businesses.

ACTG 102 Accounting Procedures II
Credits: 3
Term: (S, Su)
Prerequisite: ACTG 101
Prerequisite OR Corequisite: M 090 or higher or qualifying placement score within the past 3 years
This course is a continuation of Accounting Procedures I. Additional topics covered include notes payable and notes receivable, valuation of receivables and uncollectible accounts, valuation of inventories, plant assets and depreciation, partnership accounting, corporate organization, capital stock, dividends, corporate bonds, statement of cash flows, and comparative financial statements.

ACTG 180 Payroll Accounting
Credits: 3
Term: (F, S based on sufficient demand)
Prerequisite: ACTG 101
Prerequisite OR Corequisite: CAPP 131, M 090 or higher or qualifying placement score within the past 3 years
Students will become knowledgeable in the payroll records required to comply with various federal and state laws affecting payroll. The Federal Fair Labor Standards Act and the Montana Wage/Hour laws are studied. Students will develop skills in actual payroll preparation. Activities include computing gross salaries, social security, federal and state income tax deductions, journalizing payroll transactions, posting to ledgers, preparation of federal and state payroll tax returns, and reports.

ACTG 201 Principles of Fin Acct
Credits: 3
Term: (F)
Prerequisite: ACTG 102
Prerequisite OR Corequisite: M 095, M 105, or qualifying placement score within the past 3 years
This course is an introduction to financial accounting principles. Specific topics studied include generally accepted accounting principles and concepts, the accounting cycle, financial statement preparation, internal controls, cash, short-term investments, receivables, inventory, plant and intangible assets, current and long-term liabilities including present value concepts, corporations and stockholders equity, the statement of cash flows, and financial statement analysis.

ACTG 202 Principles of Mang Acct
Credits: 3
Term: (S)
Prerequisite: ACTG 201
This course is an introduction to managerial accounting principles concerned with providing information to managers for use in planning and controlling operations and in decision making. Specific topics studied include manufacturing cost concepts for job and process cost accounting, service department cost allocation, cost-volume-profit analysis, master and flexible budgeting, standard costs and variance analysis, capital budgeting, and relevant costs.

ACTG 205 Computerized Accounting
Credits: 3
Term: (F)
Prerequisite: CAPP 131
Prerequisite OR Corequisite: ACTG 102
Students will complete a variety of accounting projects using microcomputer accounting software.

ACTG 211 Income Tax Fundamentals
Credits: 3
Term: (F, S based on sufficient demand)
Prerequisite: ACTG 102
This course introduces students to the basic income taxation principles, concepts, and procedures of individuals, proprietorships, partnerships, and corporations.

ACTG 215 Foundations of Government & Not for Profit Accounting
Credits: 3
Term: (S)
Prerequisite: ACTG 102
This course is an introduction to basic concepts of financial reporting and accounting for governmental and nonprofit organizations. Specific topics studied include characteristics of governmental and not-for-profit organizations; transaction analysis using fund accounting; fund financial statements; comprehensive annual financial reports; and transaction and reporting requirements for not-for-profit entities such as private charities, colleges, and hospitals.

ACTG 291 Special Topics: Accounting
Credits: 1-3
Term: (S based on sufficient demand)
Prerequisite: ACTG 101 and Consent of the Instructor
This course provides an opportunity to study current accounting topics. Course content may vary each semester.

ACTG 298 Internship
Credits: 1-6
Term: (F, S, Su based on sufficient demand)
Prerequisite: ACTG 101 and consent of Department Chair
This course combines an approved work experience related to the Accounting degree program with academic coursework. This experience will develop students' technical and professional skill in the workplace.

Activities:General (ACT)

Courses

ACT 094 PCE Non-Credit ACT Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

Allied Health: Medical Assisting (AHMA)

Courses

AHMA 220 Phlebotomy
Credits: 3
Term: (F, S)
Students will learn introduction to proper blood drawing, safety procedures, basic anatomy and physiology, special procedures, quality management, and legal issues involved in blood collection. The course is intended for students taking the Phlebotomy/Pre-Medical Assistant or other healthcare programs. Students will complete the required hours needed in order to sit for one of the certified phlebotomist exams, if they desire to do so. National Certificate requires an additional 100 clinical hours plus 100 sticks. (This course will not set up your clinical lab sites for hours and/or sticks.).

Allied Health: Medical Support (AHMS)

Courses

AHMS 103 Research in HIM
Credits: 1
Term: (F, S)
Those who work and study in the rapidly changing HIM field rely heavily on information gathered from the Internet. This course will help students develop search strategies to obtain effective search results. It will provide students with the knowledge of how to determine the credibility of the information. Students will learn to develp, organize, and maintain a portfolio of useful HIM websites.

AHMS 105 Health Care Delivery
Credits: 2
Term: (F, S)
This introductory course acquaints students with an overall view of the healthcare system. Topics include organization, financing, and delivery of healthcare through various types of facilities, agencies, health organizations, and hospitals. Medical ethics, professional behavior, and patient rights are also covered.

AHMS 108 Health Data Content & Struct
Credits: 3
Term: (S, Su)
Prerequisite OR Corequisite: CAPP 131
This course provides orientation to the health information department and its organization interrelationships in healthcare facilities. This course also covers the content and format of the health record (both conventional and alternative formats), quantitative and qualitative analysis of the record according to regulatory and accreditation standards, numbering, filing, retention, storage, and destruction of records. Application will be provided using extensive discussion and assignments designed to approximate real life situations.

AHMS 142 Intro to Medical Terminology
Credits: 1
Term: (F, S, Su)
This course promotes knowledge of the elements of medical terminology for professional and personal development. Exercises in each unit will stress definitions, spelling, and pronunciation of medical words. The course is designed to build an understanding of the logical method used to form medical terms, including word analysis and word building.

AHMS 144 Medical Terminology
Credits: 3
Term: (F, S, Su)
The goals of this course are to promote knowledge of the elements of medical terminology for professional and personal development, the ability to spell and pronounce medical terms, an understanding of medical abbreviations, and an appreciation of the logical method found in medical terminology. This includes word analysis and word building. Knowledge of terms relating to body structures, positions, directions, divisions, and planes will be required. An awareness of current health events is encouraged, as is knowledge of basic scientific and specialty areas in healthcare practice.

AHMS 157 Healthcare Reimbursement Metho
Credits: 4
Term: (F, others based on sufficient demand)
Prerequisite: AHMS 144, AHMS 108
This course covers healthcare reimbursement, revenue cycle, chargemaster, compliance regulations, and activities related to revenue management (coding compliance, fraud, and abuse).

AHMS 158 Legal & Rgltry Aspcts Hlthcare
Credits: 3
Term: (F, S)
Prerequisite: WRIT 095 or higher
This course covers basic knowledge of the legal, regulatory, and ethical aspects of healthcare including: doctrines, principles, and processes of civil law; state licensure and national accreditation standards; and professional requirements for personal liability, confidentiality, and documentation of the health record. Application will be provided using extensive discussion and assignments designed to approximate real life situations.

AHMS 160 Beginning Procedural Coding
Credits: 3
Term: (F, S)
Prerequisite: BIOH 112
Prerequisite OR Corequisite: AHMS 201
The structure, format, and use of CPT coding for physician and non-physician services is the purpose of this course. Case studies and lab exercises are used to develop basic procedural coding skills that cover all sections of the CPT coding manual, with a focus on the interpretation of CPT manual section guidelines and proper modifier usage.

AHMS 164 Beg Diagnosis Coding: ICD-10
Credits: 3
Term: (F, S)
Prerequisite: BIOH 104 or BIOH 112 or BIOH 201
Prerequisite OR Corequisite: AHMS 201
This course covers basic and intermediate levels of theory and application of ICD-CM principles and guidelines for coding and sequencing diagnoses and procedures. Students perform basic and intermediate coding using real health records, case studies, and scenarios. Application will focus on the use of the electronic ICD-10-CM with an overview of encoder software. This coding class involves hands-on coding, and knowledge of basic use of applicable coding books or the electronic ICD-10-CM.

AHMS 201 Medical Science
Credits: 3
Term: (F, S)
Prerequisite: AHMS 144 and either BIOH 112 or BIOH 201
This course provides basic knowledge of the most common diseases, anomalies, treatments, and procedures needed to analyze healthcare documentation for various health science support functions including abstracting, coding, transcription, auditing, and reimbursement. Drug classification, diagnostic tests, pathology, laboratory, radiology, nuclear medicine, and ultrasound procedures are also included.

AHMS 208 Healthcare Statistics
Credits: 2
Term: (F, others based on sufficient demand)
Prerequisite OR Corequisite: M 090 and CAPP 131
This course will include gathering, compilation, and computing of healthcare-related statistics, and the use of research, surveys, and statistical methods for developing healthcare data into information for various requesters.

AHMS 212 CPT Coding
Credits: 3
Term: (F, S)
Prerequisite: AHMS 160
A basic understanding of the CPT and coding principles should already be established. This course covers extensive procedural coding protocols that apply to interpreting and abstracting data from case studies and authentic outpatient-based medical records. Proper use of HCPCS level II codes, ASC modifiers, and code sequencing is stressed. Applications include the use of encoder software to determine APC and RBRVS calculations, as well as CCI compliance.

AHMS 213 ICD-10 Coding
Credits: 3
Term: (F, S)
Prerequisite: AHMS 164
Basic understanding of diagnostic and procedural coding principles should already be established. The course requires interpreting ICD-10-CM coding and reporting guidelines to sequence and assign appropriate diagnostic codes for both inpatient and various outpatient settings. Compliance issues associated with various IPPS reimbursement systems such as MS-DRGs, as well as APCs are covered. Encoder software will complement the ICD-10-CM manual in the application of coding processes. Clinical information will be interpreted from brief case studies and progress to the coding of health record excerpts.

AHMS 227 Health Information Management
Credits: 3
Term: (F, others based on sufficient demand)
Prerequisite OR Corequisite: AHMS 108
General and financial management topics are studied in this course. The management functions of planning, organizing, directing, and controlling are related to the healthcare environment. Specific healthcare examples of budgeting, managerial accounting and selection, procurement, and maintenance of equipment and supplies are provided through extensive application of healthcare-related case studies and student projects.

AHMS 240 Clinical Quality Assessment
Credits: 3
Term: (S, others based on sufficient demand)
Prerequisite: CAPP 131, and M 090
The principles and procedures of quality, utilization, risk, and compliance processes used to improve the quality of patient health care are taught in this course. Quality assessment and improvement standards and requirements of licensing, accrediting, fiscal and other regulatory agencies are presented. Methods for identifying variations and deficiencies for follow-up action will be achieved using extensive discussion and assignments designed to approximate real life situations.

AHMS 275 HIT-Professional Practice Exp
Credits: 2
Term: (S)
Prerequisite: AHMS 108, AHMS 157, AHMS 158, AHMS 160, AHMS 164, AHMS 208, and AHMS 227
Students in this course will gain professional practice experience in their program of study, create written records of their experiences, and complete assigned projects as indicated.

AHMS 285 HICS/Coding Professional Practice Experience
Credits: 2
Term: (S)
Prerequisite: AHMS 108, AHMS 157, AHMS 160, and AHMS 164
Corequisite: AHMS 212 and AHMS 213
Lab based course in which students utilize the Automated Coding Software. The Automated Coding Software exposes students to software utilized in health information management and healthcare reimbursement. This course is a mastery-level course, where students utilize skills acquired in previous programmatic courses. Coding of authentic records will be included. This course serves as a virtual practical experience.

AHMS 288 HIT Exam Preparation
Credits: 3
Term: (S)
Prerequisite OR Corequisite: AHMS 275 or AHMS 298
The course provides a forum for students to prepare for the Registered Health Information Technician (RHIT) national examination sponsored through AHIMA. Reviewing and integrating new knowledge, regulations, and standards in the field of health information technology will be achieved. Guidance on the completion of job applications, preparing a resume, writing cover and follow-up letters, and job interviews (as both applicant and interviewer) are studied and practiced.

Allied Health: Physical Therapy (AHPT)

Courses

AHPT 101 Physcl Thrpist Assist I / Lab
Credits: 5 (3 Lecture, 2 Lab -- 45 Lecture Hours/60 Lab Hours)
Term: (F)
Prerequisite: Acceptance into the Physical Therapist Assistant Program
Corequisite: AHPT 205, AHPT 206, AHPT 210, and AHPT 218
This is the first of two sequential skills and procedures courses in the Physical Therapist Assistant program. The following topics are covered: basic principles and procedures of physical therapy; basic care skills and application techniques; use of assistive devices; architectural and environment barriers; introduction to range of motion (ROM); introduction to pain theories, conditions, and assessment; and physiological principles, indications/contraindications, and application of physical agents discussed in lecture.

AHPT 105 Intro to Physcl Thrpist Assist
Credits: 3 (45 Lecture Hours)
Term: (F, S, Su)
This course is designed to give the student an overview of the Physical Therapy profession by providing a historical perspective and an understanding of its philosophy in relation to the professional organization; an overview of the roles of the Physical Therapy staff members in the clinical setting and members of the health care team in various delivery systems; development of interpersonal communication skills relating to the profession, cultural diversity, and an understanding of the commitment of the graduate to continued personal and professional development. This course provides an overview of ethical/legal/professional issues relating to the role of the Physical Therapist Assistant in health care delivery. It includes such topics as the financing of physical therapy; regulations governing Physical Therapist Assistants; APTA's code of ethics and core values; scope of PT and PTA practice; and the Physical Therapist Assistant's role in research and continued education.

AHPT 192 PTA Independent Study
Credits: 1 (1 to 6 credits, varies upon need)
Term: (Based upon sufficient demand)
This course is a PTA independent study.

AHPT 201 Physcl Thrpist Assist II / Lab
Credits: 5 (3 Lecture, 2 Lab -- 45 Lecture Hours/60 Lab Hours)
Term: (S)
Prerequisite: AHPT 101, AHPT 205, AHPT 206, and AHPT 218, all with a grade of 76% or higher; AHPT 210 with a grade of Pass
Corequisite: AHPT 213, AHPT 215, and AHPT 220
This is the second in the series of procedures and application courses. The following topics are covered: theoretical principles and application of the cardiopulmonary rehab, industrial rehab, ergonomics, prosthetic and orthotic application and treatment, biofeedback, topical applications, electrotherapy, ultrasound; procedure and application of cervical and lumbar traction; gait analysis and training; theory application of massage/manual therapy. They will review of subject matter and test taking strategies for the National Physical Therapist Assistant Examination (NPTAE) through the Scorebuilders prep course.

AHPT 205 Anat and Kinesio for the PTA
Credits: 6 (4 Lecture, 2 Lab -- 60 Lecture Hours/60 Lab Hours)
Term: (F)
Prerequisite: Acceptance into the Physical Therapist Assistant program
Corequisite: AHPT 101, AHPT 206, AHPT 210, and AHPT 218
This course is designed to provide the student with an understanding of: the human musculoskeletal system relative in the biomechanical elements of normal and abnormal human motion, and osteology and arthrology in relation to muscle action and joint mechanics. The study and skills of goniometry and manual muscle testing will also be covered.

AHPT 206 Pathophysiology for the PTA
Credits: 3 (45 Lecture Hours)
Term: (F)
Prerequisite: Acceptance into the Physical Therapist Assistant Program
Corequisite: AHPT 101, AHPT 205, AHPT 210, and AHPT 218
This course introduces the student to the pathophysiology, etiology, clinical signs and symptoms, and management of selected pathological and injury-related disorders treated in physical therapy. Emphasis revolves around the musculoskeletal, neuromuscular, cardiopulmonary, and integumentary systems. Other pathologies discussed include diabetes mellitus, immune system disorders, neoplasms, disorders related to women's health, and vestibular pathologies. Radiology and pharmacology considerations with specific diagnoses will also be discussed. The course includes student presentations on disorders pertinent to physical therapy.

AHPT 210 Clinical Experience I
Credits: 3 (160 Clinical Hours -- 4 weeks in length)
Term: (F)
Prerequisite: Acceptance into the Physical Therapist Assistant program
Corequisite: AHPT 101, AHPT 205, AHPT 206, and AHPT 218
The purpose of this clinical affiliation is to provide the student with an opportunity to apply skills and techniques learned in AHPT 101, AHPT 105, AHPT 205, AHPT 206, and AHPT 218 under the appropriate supervision of the clinical instructor. This course will include a four-week clinical rotation at an approved site.

AHPT 213 Neurorehab for the PTA
Credits: 6 (4 Lecture, 2 Lab -- 60 Lecture Hours/60 Lab hours)
Term: (S)
Prerequisite: AHPT 101, AHPT 205, AHPT 206, and AHPT 218 with a grade of 76% or higher, and AHPT 210 with a grade of Pass
Corequisite: AHPT 201, AHPT 215, and AHPT 220
This course is an introduction to neuroanatomy and neurophysiology in relationship to neurological pathologies of the brain and spinal cord commonly treated by physical therapy. Through this course the student is also introduced to neurological development: normal vs. abnormal - birth through adult, disease processes and outcomes, and neurophysiological routines used for treatment. Principles and treatment of specific disabilities are also presented.

AHPT 215 Introduction to Orthopedics
Credits: 4 (3 Lecture, 1 Lab -- 45 Lecture Hours and 30 Lab Hours)
Term: (S)
Prerequisite: AHPT 101, AHPT 205, AHPT 206, and AHPT 218 with a grade of 76% or higher, and AHPT 210 with a grade of Pass
Corequisite: AHPT 201, AHPT 213, and AHPT 220
This course introduces students to adult musculoskeletal pathologies and management of orthopedic and surgical problems commonly seen by physical therapy. Course content will include: basic biomechanics and mechanisms of orthopedic injuries and diseases, survey of surgical repair with emphasis on rehabilitation, evaluation techniques and treatments used by physical therapists, theoretical application of therapeutic exercise programs and equipment commonly used for treatment of various orthopedic conditions and surgical procedures, and therapeutic and athletic taping techniques.

AHPT 218 Theraptc Exercise for the PTA
Credits: 2 (1 credit of lecture/1 credit of lab)
Term: (F)
Prerequisite: Acceptance into the Physical Therapist Assistant Program
Corequisite: AHPT 101, AHPT 205, AHPT 206, and AHPT 210
This course introduces the physical therapist assistant student to topics such as exercise physiology, exercise prescription tailored to the individual, general therapeutic exercises, aquatic therapy, relaxation techniques, group therapy, and setting up a home exercise program. Current health practices and theory will be addressed in relation to nutrition/wellness within special populations, emphasizing preventative practice.

AHPT 220 Clinical Experience II
Credits: 3 (160 Clinical Hours, 4 weeks in length)
Term: (S)
Prerequisite: AHPT 101, AHPT 205, AHPT 206, and AHPT 218 with a grade of 76% or higher, and AHPT 210 with a grade of Pass
Corequisite: AHPT 201, AHPT 213, and AHPT 215
The students will continue to build on their clinical experiences from AHPT 210 previous coursework. This will consist of a four-week clinical rotation at an approved site.

AHPT 225 Semnr in Physcl Thrpist Assist
Credits: 1
Term: (Su)
Prerequisite: AHPT 101, AHPT 201, AHPT 205, AHPT 206, AHPT 213, AHPT 215, and AHPT 218 with a grade of 76% or higher, and AHPT 210 and AHPT 220 with a grade of Pass
Corequisite: AHPT 230
This concentrated course is designed to integrate skills and techniques from previous clinical experiences and from the course work presented throughout the PTA program. It focuses on presentation of comprehensive treatment plans utilizing all treatment skills and techniques learned during the previous semesters. The students will be expected to provide written reports including complete patient information and treatment plans and then present this information in the form of a case study/project. Research and current issues are also discussed. Students will be required to relate sociological, physical, and psychological aspects of illness and injury to their projects. Student questions and concerns are also addressed. The course will also identify subject matter and test taking strategies for the National Physical Therapist Assistant Examination (NPTAE) through performance of the Practice Exam and Assessment Tool (PEAT).

AHPT 230 Clinical Experience III
Credits: 7 (315 Clinical Hours, 8 weeks in length)
Term: (Su)
Prerequisite: AHPT 101, AHPT 201, AHPT 205, AHPT 206, AHPT 213, AHPT 215, and AHPT 218 with a grade of 76% or higher, and AHPT 210 and AHPT 220 with a grade of Pass
Corequisite: AHPT 225
This is the third of three full-time clinical experiences during which the student develops proficiency in physical therapy procedures, understanding of clinical responsibilities and supervisory relationships with a minimum competence necessary to graduate as an entry level physical therapist assistant and become an active participant of the health care team. This course will include an eight-week clinical affiliation at an approved site. *CPR certification must be current whenever a student is in the clinical setting.

Allied Health: Respiratory Care (AHRC)

Courses

AHRC 094 PCE Non-Credit AHRC Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

AHRC 140 Respiratory Care Clinic I
Credits: 3
Term: (S)
Prerequisite: Completion of first semester of the Respiratory Care program
Students will gain knowledge through supervised experiences in hospital patient care, techniques, and equipment. Emphasis is on patient contact, medical gases, hyperinflation, equipment, percussion, humidity and aerosol therapy, airway management, and secretion management. Safety and environmental awareness will be covered in all clinical courses.

AHRC 141 Respiratory Care Clinic II
Credits: 4
Term: (Su)
Prerequisite: Completion of second semester of the Respiratory Care program
Students will have supervised experiences in hospital patient care, techniques, and equipment. The previous clinical techniques will be expanded with emphasis on IPPB, artificial airway suctioning, chest physiotherapy, medication nebulization, EKGs, chest assessment, and continuous mechanical ventilation.

AHRC 152 Respiratory Care
Credits: 3
Term: (F)
Prerequisite: Acceptance into the Respiratory Care program
The course is an introduction course to the field of Respiratory Care. The topics covered are essential for the student to enter the clinical portion of the Respiratory Therapist Program. Course content includes gases, the field of Respiratory Care as it relates to the entire health care delivery system, medical terminology, communication, ethics, effects of tobacco on health, and respiratory medications.

AHRC 155 Respiratory Physiology
Credits: 3
Term: (F)
Prerequisite: Acceptance into the Respiratory Care program
Respiratory Physiology covers anatomy and physiology of the cardio-pulmonary systems. Topics studied are blood, the heart, vessels, respiratory structure, the physics of gas pressure, ventilation, regulation of ventilation, O2 and CO2 transport, ventilation and perfusion balance, acid-base balance, and interpretation of arterial blood gases.

AHRC 170 Respir Care Tech & Proced I
Credits: 5
Term: (F)
Prerequisite: Acceptance into the Respiratory Care program
Knowledge and skills taught will provide students with the theories, principles, and laboratory experience in the areas of medical gas therapy and aerosol and humidification therapy in the use of hyperinflation devices and chest physical therapy. An introduction to infection control, body mechanics, gas analyzers, artificial airways, manual resuscitators, secretion removal, and safety and environmental awareness will be studied.

AHRC 171 Resp Care Tech & Proced II
Credits: 5
Term: (S)
Prerequisite: Completion of the first semester of the Respiratory Care program
Knowledge and skills taught will provide students with the theories, principles, and laboratory experience in the areas of adult and infant mechanical ventilation. Ventilators covered include but are not limited to: Respironics V60 & BiPAP Vision, Puritan Bennett 840, Hamilton Galileo Gold, and Sensormedics 3100A High Frequency Oscillator. Other areas such as arterial blood gas techniques, transcutaneous gas monitoring, hyperbaric oxygen therapy, mixed gas therapy, discontinuance of mechanical ventilation, troubleshooting during mechanical ventilation, techniques of ventilation, ventilator waveforms and high frequency ventilation will also be investigated.

AHRC 180 Ventilator Management
Credits: 3
Term: (S)
Prerequisite: Completion of the first semester of the Respiratory Care program
Ventilator Management prepares Respiratory Therapist students to care for the respiratory needs of adult patients in the intensive care setting. Content includes: relating physiologic measurements to patients' ventilation and oxygenation status, establishing the need for mechanical ventilation, selecting initial ventilator parameters and settings, assessing and modifying ventilator parameters and settings, monitoring mechanically ventilated patients, physiologic effects and complications of mechanical ventilation, and weaning from ventilators.

AHRC 240 Respiratory Care Clinic III
Credits: 4
Term: (F)
Prerequisite: Completion of the third semester of the Respiratory Care program
Students will be supervised in an in-hospital practice of advanced therapeutic and diagnostic respiratory care procedures including pulmonary function testing, arterial blood gases, intubations, continuing education, pulmonary rehabilitation, newborn and adult intensive care, and supervisory management. This course with AHRC 241 extends through two semesters.

AHRC 241 Respiratory Care Clinic IV
Credits: 4
Term: (S)
Prerequisite: Completion of the fourth semester of the Respiratory Care program
Students will be supervised in an in-hospital practice of advanced therapeutic and diagnostic respiratory care procedures including pulmonary function testing, arterial blood gases, intubations, continuing education, pulmonary rehabilitation, newborn and adult intensive care, and supervisory management. This course with AHRC 240 extends through two semesters.

AHRC 245 Resp Care Clinical Seminar I
Credits: 1
Term: (F)
Prerequisite: Completion of the third semester of the Respiratory Care program
The purpose for this course is to provide students with an opportunity to share significant clinical experiences, to present clinical problems, to practice communication skills, and to participate in student in-services. The student will learn to succeed on the NBRC Clinical Simulation Examination and participate in taking the NBRC comprehensive self-assessment exam. Complete job-seeking skills will be taught. This course is concurrent with AHRC 240 Respiratory Care Clinic III.

AHRC 246 Resp Care Clinical Seminar II
Credits: 1
Term: (S)
Prerequisite: Completion of the fourth semester of the Respiratory Care program
The purpose for this course is to provide students with an opportunity to share significant clinical experiences, to present clinical problems, to practice communication skills, and to participate in student in-services. The student will learn to succeed on the NBRC Clinical Simulation Examination and participate in taking the NBRC comprehensive self-assessment exam. Complete job-seeking skills will be taught. This course is concurrent with AHRC 241 Respiratory Care Clinic IV.

AHRC 251 Hemodynamic Monitoring
Credits: 4
Term: (F)
Prerequisite: Completion of the third semester of the Respiratory Care program
Hemodynamic Monitoring covers topics about the circulatory system necessary for the Respiratory Therapist to work in adult intensive care settings. Course content includes: cardiac dysrhythmias and management of the circulatory system based on hemodynamic measurements.

AHRC 254 Pulmonary Assessment
Credits: 2
Term: (S)
Prerequisite: Completion of the first semester of the Respiratory Care program
This course covers diagnostic techniques and procedures including interview and history taking, chest assessment, chest radiology, laboratory tests, arterial blood gases and an introduction to pulmonary function testing. This information is used to investigate pulmonary diseases.

AHRC 262 Neonatal Respiratory Care
Credits: 3
Term: (Su)
Prerequisite: Completion of the second semester of the Respiratory Care program
Neonatal Respiratory Care is an infant intensive care course. Topics studied are fetal to neonatal transition, assessment of the newborn, cardiopulmonary disorders of the newborn and respiratory therapeutic procedures for the newborn.

AHRC 264 Respiratory Care In Alt Sites
Credits: 1
Term: (S)
Prerequisite: Completion of the fourth semester of the Respiratory Care program
Respiratory Care is performed in many sites outside of the traditional medical center setting. This course will provide the student with the knowledge and practice of respiratory care in pulmonary rehabilitation, home care, and subacute care skilled nursing facilities.

AHRC 273 Pulmonary Function Testing
Credits: 2
Term: (S)
Prerequisite: Completion of the fourth semester of the Respiratory Care program
Pulmonary Function Testing is a study of pulmonary diagnostic testing. The student will survey and interpret spirometry, lung volumes, and diffusion tests, and perform spirometry and lung volumes tests.

AHRC 274 Pulmonary Diseases
Credits: 2
Term: (F)
Prerequisite: Completion of the first semester of the Respiratory Care program
Pulmonary Diseases surveys etiology, epidemiology, diagnosis, pathology, treatment, and prognosis of diseases of the lungs and diseases that affect the lungs.

AHRC 280 Supervisory Management
Credits: 2
Term: (S)
Prerequisite: Completion of the fourth semester of the Respiratory Care program
The objective of this course is to provide students with the information and skills to facilitate the transition from respiratory therapist to respiratory supervisor. The areas investigated include interpersonal communications, planning, organizing, staffing, influencing, motivating, and controlling. Practical respiratory supervisory scenarios provide student participation requiring role-play in interpersonal communications, problem solving and critical thinking.

Allied Health: Surgical Tech (AHST)

Courses

AHST 101 Intro to Surgical Technology
Credits: 3
Term: (S)
Prerequisite: Acceptance into the Surgical Technology Program
Corequisite: AHST 115 and AHST 154
This course introduces the career field by discussing the history and development of surgical technology, surgical patients, standards of conduct, hospital administration and organization, communication and teamwork, the operating room environment, safety standards, and biomedical science as it relates to surgical technology. The course provides an orientation to the scrub and circulatory roles of the surgical technologist in the preoperative, intraoperative and postoperative periods. Entry level skills and theories are emphasized and associated skills are presented and practiced in the Corequisite AHST 115.

AHST 115 Surgical Lab I
Credits: 3
Term: (S)
Prerequisite: Acceptance into the Surgical Technology Program
Corequisite: AHST 101 and AHST 154
This course is designed to go hand-in-hand with the AHST 101 course. The course is a hybrid, which means certain aspects of the course, such as assignments, homework, discussions, and communication, will be in an on-line format; the skills will be learned on campus in a mock operating room. This course will present entry level responsibilities and competencies of the surgical technologist and related nursing procedures in both the scrub and circulator roles. This course will include lecture, as well as hands-on, role playing, videos, problem-solving sessions, and clinical observation experiences. The class is limited to small groups, so there will be time for one-on-one teaching and assessment with each student. Each group is responsible for teaching and assisting their fellow lab members. One of the first lessons learned is teamwork and being critiqued by your team, which is a basic concept of the operating room team.

AHST 154 Surgical Pharmacology
Credits: 3
Term: (S)
Prerequisite: Acceptance into the Surgical Technology Program
Corequisite: AHST 101 and AHST 115
This course will provide the student with general pharmacological information of medications commonly used in a surgical setting, what laws pertain to them, how medications are measured, the use, dosages, routes, actions, adverse reactions, how they are labeled, and other considerations of administration. This course is an on-line internet course. This course is to be taken concurrently with Surgical Lab I where the hands-on skills will be presented.

AHST 200 Operating Room Techniques
Credits: 5
Term: (F)
Prerequisite: AHST 101, AHST 115, and AHST 154
Corequisite: AHST 201 and AHST 250
This course builds on the introductory foundational surgical technology knowledge and presents more complex knowledge and associated competencies of the surgical technologist. The course provides a continuation of the responsibilities of the surgical technologist in the scrub and circulatory roles in the preoperative, intraoperative, and postoperative periods. This course provides the knowledge base that correlates with Surgical Lab II.

AHST 201 Surgical Procedures I
Credits: 4
Term: (F)
Prerequisite: AHST 101, AHST 115, and AHST 154
Corequisite: AHST 200, AHST 215, and AHST 250
This course familiarizes students with the surgical technologist's role during surgical procedures in the preoperative, intraoperative, and postoperative phases of diagnostic, general obstetrical/ gynecological, genitourinary, orthopedic and plastic procedures. This course will be an integration of face-to-face lecture and on-line presentations.

AHST 202 Surgical Procedures II
Credits: 5
Term: (S)
Prerequisite: AHST 200, AHST 201, AHST 215, and AHST 250
Corequisite: AHST 251 and AHST 298
This course familiarizes students with the surgical technologist's role during surgical procedures in the preoperative, intraoperative, and postoperative phases of otorhinolaryngologic, oral/maxillofacial, ophthalmic, cardiothoracic, peripheral vascular, and neurosurgical procedures. This course will be an integration of face-to-face lecture and online-presentations.

AHST 215 Surgical Lab II
Credits: 3
Term: (F)
Prerequisite: AHST 101, AHST 115, and AHST 154
Corequisite: AHST 250, AHST 200, and AHST 201
This course is designed to go hand-in-hand with the AHST 200 course. The course is a hybrid, which means certain aspects of the course, such as assignments, homework, discussions, and communication, will be in an on-line format; the skills will be learned on campus in a mock operating room. This course will present entry level responsibilities and competencies of the surgical technologist and related nursing procedures in the first scrub, second scrub and circulator roles. This course will include lecture, as well as hands-on, role playing, videos, problem-solving sessions, and clinical observation experiences. The class is limited to small groups, so there will be time for one-on-one teaching and assessment with each student. Each group is responsible for teaching and assisting their fellow lab members. One of the first lessons learned is teamwork and being critiqued by your team, which is a basic concept of the operating room team.

AHST 250 Surgical Clinical I
Credits: 4 (168 Contact Hours)
Term: (F)
Prerequisite: AHST 101, AHST 115, and AHST 154
This course will provide a supervised clinical experience in surgical settings providing first scrub, second scrub and circulating experience in surgical procedures. Each student will be assigned to a specific surgical facility. The facility will provide preceptors who will mentor the student through the clinical experience. In addition to the clinical experience, students will have an instructor-facilitated debriefing weekly to share clinical experiences and learn from each other.

AHST 251 Surgical Clinical II
Credits: 5 (216 Contact Hours)
Term: (S)
Prerequisite: AHST 200, AHST 201, AHST 215, and AHST 250
Corequisite: AHST 202
This course will provide a supervised clinical experience in surgical settings providing first scrub, second scrub and circulating experience in surgical procedures. However, a greater degree of proficiency and independence will be expected from students than in AHST 250. Each student will be assigned to a specific surgical facility. The facility will provide preceptors who will mentor the student through the clinical experience.

AHST 295 Surgical Practicum
Credits: 5 (240 Contact Hours)
Term: (S)
Prerequisite: AHST 200, AHST 201, AHST 215, and AHST 250
Corequisite: AHST 202 and AHST 251
This course will provide a minimally supervised clinical experience in surgical settings providing first scrub, second scrub and circulating experience in surgical procedures. A greater degree of proficiency and independence will be expected from student than in previous clinicals. Each student will be assigned to a specific surgical facility. The facility will provide preceptors who will mentor the student through the clinical experience. The internship develops the student's competencies as a first scrub on surgical procedures and acquaints them with the professional expectations of surgical technologists as a capstone experience preparing them for initial employment. The course provides the student with the actual experience in surgical procedures, teamwork, flexibility, organization, economy in time, motion and materials, and preparation of all supplies and equipment used in the operating room in preparation for surgical procedures.

Anthropology (ANTY)

Courses

ANTY 094 PCE Non-Credit ANTY Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

ANTY 101 Anthro & the Human Experience
Credits: 3
Term: (F, S, Su based on sufficient demand)
Core Class: Cultural Diversity
This course provides an introductory survey of the basic theory and practice of the four classic fields of anthropology: physical anthropology, archaeology, linguistics, and cultural anthropology. The focus of the course is on the evolution of the human species, theories of early culture, reconstruction of the past through archaeological analysis, and structure and usage of language and its relationship to culture. The student will become familiar with the basic concepts of anthropology, its sub-disciplines, methods used to study and understand other cultures, and the general theories of cultures.

Art: Art History (ARTH)

Courses

ARTH 160 Global Visual Culture
Credits: 3
Term: (F, S, Su)
Core Class: Fine Arts
This slide lecture course will introduce the students to forms of creative expression within visual arts, encouraging the students to more actively explore art verbally and in written form. The course material will focus on various issues of aesthetic expression rather than the historical development of the arts.

Art: Visual Arts (ARTZ)

Courses

ARTZ 094 PCE Non-Credit ARTZ Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

ARTZ 101 Art Fundamentals
Credits: 3
Term: (F, S, Su)
Core Class: Fine Arts
This course is an exploration of visual concepts through studio projects supplemented by lecture, discussion, and writing assignments. Art fundamentals will be investigated through drawing, color theory, and 3-dimensional processes.

ARTZ 105 Visual Language-Drawing
Credits: 3
Term: (F, S, Su)
Core Class: Fine Arts
This course introduces the fundamentals of drawing with consideration for line, form, space and perspective in rendering from three-dimensional shapes, still life, landscape or the human form utilizing a variety of drawing materials. Emphasis will be placed on learning to see and render basic shapes, line quality, value, light and shadow, texture, mass, perspective and composition. Students will be encouraged to apply these skills to develop a personal style of drawing.

Biology: General (BIOB)

Courses

BIOB 094 PCE Non-Credit BIOB Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

BIOB 101 Discover Biology/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su)
Prerequisite: M 065 or higher and WRIT 095 or higher, or qualifying placement score within the past 3 years
Core Class: Natural Science
This course introduces basic biological principles including the cell, the interrelationship of structure and function, and the characteristics and classification of living things. Students will examine the five kingdoms of organisms (monera, protista, fungi, plants, animals), concentrating on vascular plants and vertebrate animals, as well as reproduction and basic ecological concepts. This general education course is designed for non-science majors. Laboratory experience will include experimentation, microscope work, observation, and dissection.

BIOB 160 Princpls of Living Systems/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F based on sufficient demand)
Prerequisite: CHMY 121 or CHMY 141; M 065 or higher and WRIT 095 or higher, or qualifying placement score within the past 3 years
Core Class: Natural Science
This course is designed to help students understand and apply major concepts in molecular and cellular biology including: biological macromolecules, cell structure and function, major biochemical pathways (cellular respiration and photosynthesis), cell division, Mendelian genetics, modern biotechnology, early development, and major control mechanisms within the body. Students will also examine the scientific method.

BIOB 170 Prin Biological Diversity/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (S based on sufficient demand)
Prerequisite: BIOB 160
Core Class: Natural Science
This course is designed to help students understand and apply major concepts in organismal biology including the diversity, evolution, and ecology of organisms. The origin of life and the evolution of cells, classification and evolution of organisms, major domains and kingdoms of life, natural selection and evolution, species diversity, ecosystems organization and energy flow, community interactions, population ecology and behavioral ecology will be discussed. CHMY 121 or higher is highly recommended.

Biology: Human (BIOH)

Courses

BIOH 094 PCE Non-Credit BIOH Class
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

BIOH 104 Basic Human Biology & Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su)
Prerequisite: M 065 or higher and WRIT 095 or higher, or qualifying placement score within the past 3 years
Core Class: Natural Science
This course introduces students to the structure and function of the human body. Topics such as the fundamental principles in organic and inorganic chemistry, cellular metabolism, cellular anatomy, cellular biology and histology will be covered and subsequently applied to the physiology of the body as whole. Organ systems to be covered in this course include cardiovascular, lymphatic, respiratory, nervous, musculoskeletal, endocrine, urinary, digestive, immune, and reproductive. 202050.

BIOH 108 Basic Anatomy
Credits: 4
Term: (F, S)
Prerequisite: M 065 or higher and WRIT 095 or higher, or qualifying placement score within the past 3 years
Core Class: Natural Science
This course provides an introduction to human anatomy and basic physiology. Included are fundamental overviews of: biology, chemistry processes as they pertain to the human body. This course serves as a primer for students who are seeking to develop a foundational understanding of the objectives, prior to enrolling in Anatomy and Physiology I & II (i.e. BIOH 201 and BIOH 211).

BIOH 112 Human Form and Function I
Credits: 4 (Lecture only, no Lab)
Term: (F, S, Su based on sufficient demand)
This course is the first in an online, two-course sequence for non-clinical health majors that provides a comprehensive study of the anatomy and physiology of the human body. The course will take a systemic approach covering all body systems. Topics will include structure, function, and interrelationships of organ systems. The course will provide a foundation for students entering non-clinical health careers.

BIOH 113 Human Form and Function II
Credits: 3 (Lecture only, no Lab)
Term: (S)
Prerequisite: BIOH 104 or BIOH 112
This course is the second in a two-course sequence for non-clinical health majors. The course will build on the topics explored in the first semester. Body systems will be covered in greater depth, and the focus will be on the interrelationships between systems. In addition to structure and function, an emphasis will be placed on the body processes that maintain homeostasis. The course will take a problem-based approach, allowing students to use critical thinking skills and apply knowledge from both semesters.

BIOH 201 Human Anat Phys I/Lab (= 301)
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su based on sufficient demand)
Prerequisite: *M 090 or higher (or qualifying placement score within the past 3 years) AND
Prerequisite: *WRIT 095 or higher (or qualifying placement score within the past 3 years) AND
Prerequisite: *A grade of C- or better in either BIOH 104 or BIOH 108 (or qualifying biology placement score within the past 3 years).
This course is an integrated study of the human body in which the histology, anatomy, and physiology of each system is covered. The first part of this two semester course sequence incorporates molecular, cellular, and tissue level of organization for the integumentary, skeletal with articulations, muscular, and nervous systems. Completion of CHMY 121, Intro to Gen Chemistry/Lab is strongly recommended prior to enrollment in this course.

BIOH 211 Human Anat Phys II & Lab(=311)
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S)
Prerequisite: BIOH 201 with a grade of C- or higher
This course is an integrated study of the human body in which the histology, anatomy, and physiology of each system are covered. The second part of this two semester course sequence involves the study of the following systems: sensory, endocrine, cardiovascular with hematology, lymphatic with immunology, respiratory, urinary with water, electrolyte and acid base balance, digestive with nutrition, and reproductive systems. Laboratory experience will include experimentation, microscope work, observations, and dissection. Upon completion of CHMY 121, Anatomy & Physiology I and II with labs will transfer to MSU–Bozeman as Anatomy & Physiology I and II.

Biology: Micro (BIOM)

Courses

BIOM 250 Microbiology for Hlth Sci wLab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su based on sufficient demand)
Prerequisite: BIOH 104 or BIOH 108 or BIOH 201 or consent of instructor
Aspects of microbial life are examined in relation to growth requirements, reproduction, and disease-producing capabilities. Topics include basic biochemistry, prokaryotic and eukaryotic morphology, microbial metabolism, genetics, and classification. In addition to the previous topics, mechanisms of infection, epidemiology, immune response, and the major microbial pathogens of the human body will be explored. Emphasis will be placed on the control and spread of microorganisms and disease prevention. This course includes a required lab component.

Business: General (BGEN)

Courses

BGEN 094 PCE Non-Credit BGEN Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

BGEN 105 Introduction to Business
Credits: 3
Term: (F, S)
Core Class: Social Sciences
This course provides an overview of business from a broad perspective. Topics covered include business ownership, free enterprise, management, human resources, marketing, finance, and accounting and data systems.

BGEN 220 Business Ethics and Social Responsibility
Credits: 3
Term: (F, S, Su based on sufficient demand)
Core Class: Humanities
This course provides students with an overview of business ethics and social responsibility with an emphasis on the process and impact of decision-making during ethical dilemmas faced by businesses, managers, and employees.

BGEN 235 Business Law
Credits: 3
Term: (F, S based on sufficient demand)
Prerequisite: BGEN 105
This course is designed to increase students' level of awareness of law in the business environment. Topics covered include contract law, sales contracts, agency and employer/employee relationships, torts, securities regulations, antitrust law, and product liability.

Chemistry (CHMY)

Courses

CHMY 101 Discover Chemistry
Credits: 3
Term: (F, S)
Prerequisite: M 065 or qualifying placement score within the past 3 years
Core Class: Natural Science
This course is an introduction to chemistry that emphasizes the influence of chemistry on one's everyday life. Topics may include food chemistry, dyes and fibers, home products, acid rain, air pollution, medicines, and beauty aids. Common household products, such as soap, aspirin, toothpaste, face cream, and fertilizers are prepared in the lab.

CHMY 121 Intro to General Chem w/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su)
Prerequisite: M 090 or qualifying placement score within the past 3 years.
Core Class: Natural Science
This course is a survey of the principles of inorganic chemistry with emphasis on scientific measurement; atomic structure; chemical periodicity; chemical bonding and nomenclature; chemical reactions and stoichiometry; gas laws; properties of liquids, solids, and solutions; acid-base chemistry; and some electrochemistry and nuclear chemistry. This course is designed for students entering health science or nursing programs. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion. In order to have the greatest success in this course, it is highly recommended that students possess strong algebra skills.

CHMY 123 Intro to Organic/Biochem w/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S)
Prerequisite: CHMY 121 with a grade of C- or higher
This course is a survey of the principles of organic chemistry and biochemistry with emphasis on nomenclature; structure and classification; properties; and applications of organic and biological compounds. Some discussions of metabolism and cellular processes are also included. This course is designed for students entering health science or nursing programs. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion.

CHMY 141 College Chemistry I w/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F)
Prerequisite: M 095 or qualifying placement score within the past 3 years
Core Class: Natural Science
The first course in the two-semester general chemistry sequence covering the general principles of modern chemistry. Topics covered include: atomic structure, stoichiometry, chemical reactions, chemical bonding, the periodic table, and the states of matter. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion. The experimental nature of the science of chemistry and the mathematical treatment of data are emphasized.

CHMY 143 College Chemistry II w/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (S)
Prerequisite: CHMY 141 with a grade of C- or higher
Core Class: Natural Science
The second course in the two-semester general chemistry sequence. Topics covered include: solutions, chemical equilibrium, acids and bases, thermodynamics, and kinetics. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion.

College Studies (COLS)

Courses

COLS 094 PCE Non-Credit COLS Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

COLS 103 Becoming a Successful Student
Credits: 1
Term: (Currently not offered)
To graduate from Great Falls College MSU, every student is required to take COLS 103, Becoming a Successful Student, or meet its equivalent. The course emphasizes strategies for academic and personal success, including academic and career planning, goal setting, and academic skill development in areas such as note-taking, study skills, test-taking strategies, and time management skills. Students are expected to enroll in this class during their first semester or prior to completing 16 semester credits.

Communication (COMX)

Courses

COMX 094 PCE Non-Credit COMX Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

COMX 102 Interprsnl Skills in Workplace
Credits: 1
Term: (F, S, Su)
This course covers the basic elements of communication in the business environment, including listening, speaking, and reading. It also looks at the importance of nonverbal communication, ethics, and professional courtesy. It discusses the importance of internal skills within the business and external skills with customers. Skills of the employment process are also included.

COMX 111 Intro to Public Speaking
Credits: 3
Term: (F, S, Su)
Core Class: Verbal Communication
Public Speaking is a course designed to aid students in overcoming speech anxiety through preparation and presentation of speeches in a variety of formats.

COMX 115 Intro to Interpersonal Communc
Credits: 3
Term: (F, S, Su)
Core Class: Verbal Communication
This course is designed to show some of the difficulties that language and understanding present us. It is concerned with better understanding of ourselves and our semantic and interpersonal environments. It attempts to develop meaningful, effective, and sensitive means of relating to others. Varied group experiences and oral presentations provide students the opportunity to explore current topics.

Computer Applications (CAPP)

Courses

CAPP 094 PCE Non-Credit CAPP Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

CAPP 131 Basic MS Office
Credits: 3
Term: (F, S, Su)
This course provides students with basic computer literacy, terminology, and social issues related to computers, as well as network and information technology. Topics include issues with computer use, ethics, crime, and copyright laws. Students will explore a computer operating system and learn the beginning to intermediate elements of word processing, spreadsheet and presentation applications and the internet to find solutions for real world problems. Through hands-on activities, participants will learn effective uses of a Windows-based computer as a tool to increase productivity.

CAPP 154 MS Word
Credits: 3
Term: (F, S, Su)
Prerequisite: CAPP 131 or CSCI 105
Word processing software is used to create documents used in academic, professional, and business environments. These functions include editing, selecting, find and replace, document assembly, graphics, printing, headers and footers, columns, file management styles, math features, fonts and other print features, tables, sort and select, merges, macros, and reference tools.

CAPP 156 MS Excel
Credits: 3
Term: (F, S, Su)
Prerequisite: CAPP 131 or CSCI 105
This course introduces students to business applications using spreadsheets. Emphasis will be placed on the essential functions of spreadsheet operation, as well as an introduction to some advanced spreadsheet features such as lookup functions and list management. This course covers expert level skills for the Microsoft Certified Application Specialist (MCAS) certification in Microsoft Excel.

CAPP 158 MS Access
Credits: 3
Term: (F)
Prerequisite: CAPP 131 or CSCI 105
This course covers expert level skills for the Microsoft Certified Application Specialist (MCAS) certification in Microsoft Access. Use of application software focuses on data queries (both Query-By-Example and Structured Query Language), report and form generation, multiple table relationships, and interface techniques. Database administration and customization techniques will also be covered.

CAPP 266 Advanced MS Excel Applications
Credits: 3
Term: (S)
Prerequisite: CAPP 156
This course builds on the skills obtained in CAPP 156. The basic and advanced features of MS Excel will be used in a variety of accounting and business applications with an emphasis on problem-solving and decision-making. Topics include developing and troubleshooting spreadsheets as well as using spreadsheets for financial analysis, statistical analysis, and goal-seeking.

Computer Science/Programming (CSCI)

Courses

CSCI 094 PCE Non-credit CSCI Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

CSCI 100 Intro to Programming
Credits: 3
Term: (F, S)
Prerequisite OR Corequisite: CSCI 105
This course is intended to provide an introduction to computer programming for the student with little or no prior experience and to help students considering a major in computer science to decide whether or not to persue its study. The strategic goals of this course are to help students gain confidence in their ability to write small programs; map everyday business problems/tasks to a programming framework; provide an easier entry into the field than afforded by traditional computer science or engineering programs; provide students with leverage to compete for jobs by providing competence and confidence as programmers; and allow students from other disciplines to make use of computational methods in their chosen field.

CSCI 105 Computer Fluency
Credits: 3
Term: (F, S, Su Based on sufficient demand)
Introduces the skills and concepts of information technology, both from practical and a more theoretical point of view. During lectures and interactive computer labs, students will explore a wide range of digital and information technologies, including common PC applications, networking, databases, privacy, and security.

CSCI 111 Programming with Java I
Credits: 3
Term: (F, S)
Prerequisite: CSCI 105 and M 090; or qualifying placement score within the past 3 years.
Programming with JAVA I introduces the students to the basic concepts of programming. Students will learn how to design programs using decision-making processes and breaking down components to assess what is necessary for the program to produce the required results. Students will learn how objects and their corresponding data types interact with the methods and classes. The programs will use a variety of methods, arrays, control structures, iteration, and sequencing to complete the requirements of the programs.

CSCI 132 Basic Data Structures and Algorithms
Credits: 4
Term: (F)
Prerequisites: CSCI 100 and CSCI 111
This is a third semester programming course that makes a deeper examination of the nature of data representation and algorithm analysis. Major topics include the fundamental data structures used in modern programming (lists, stacks, queues, and trees) as well as investigation of the techniques used to perform algorithm analysis.

CSCI 181 Web Design and Programming
Credits: 4
Term: (F, S, Su based on sufficient demand)
This course focuses on the fundamental technologies and techniques essential to development of web-based applications. Topics include basics of web design, readability and accessibility, HTML5, CSS. Use of coding tools, validation, site hosting and FTP are examined. Students in the course will design, code, validate, and host a complete web-site as part of a semester-long project.

CSCI 211 Client Side Programming
Credits: 3
Term: (F)
Prerequisites: CSCI 111, CSCI 181
This course focuses on the technologies and techniques used to deliver rich content in web browsers. The primary objective in this course will be proficiency using JavaScript and various JavaScript libraries.

CSCI 213 Web Programming Techniques
Credits: 3
Term: (S)
Prerequisites: CSCI 111, CSCI 240 and CSCI 181
This course provides a thorough treatment of server-side programming as it applies to Web applications using PHP and relational database. Students will develop and deploy a web application of medium complexity that utilizes PHP and a relational database.

CSCI 214 Server-Side Web Programming & Administration
Credits: 3
Term: (Currently not offerred)
Prerequisite OR Corequisite: ITS 224
This course gives students the skills necessary to function in a server-administrator's role for web servers running both Microsoft and Linux operating systems.

CSCI 223 Software Development
Credits: 3
Term: (S)
Prerequisite: CSCI 111 and CSCI 240
This course provides an in-depth examination and practical application of the methodologies for software design and development. Both classic (Waterfall) and emerging (Agile) methodologies are investigated. Basics of project management is explored as well. Students will gain experience by producing software using various methodologies.

CSCI 232 Data Structures and Algorithms
Credits: 3
Term: (S, Su based on sufficient demand)
Prerequisite: CSCI 132
An advanced treatment and continuation of the content covered in CSCI 132. Topics include in-depth examination and application of trees, binary trees, dictionaries, graphs, hash tables and heaps. Algorithm work analysis and validation are examined.

CSCI 240 Databases and SQL
Credits: 3
Term: (S)
Prerequisite: CSCI 100
This course presents the fundamentals of relational database design and implementation. Major topics include design models, normalization forms, Data Definition Language (DDL), Data Manipulation Language (DML) and Structured Query Language (SQL). These topics will be reinforced by a semester-long, group project to implement as a simple buisness database.

CSCI 298 Internship

Credits: 3

Term: (S)

Prerequisite: Sophomore status or consent of instructor

This is the final course that completes the student's curriculum for the Computer Information Technology (CIT) degrees. This will provide students the ability to acquire firsthand experience by completing an internship, and study interviewing techniques including preparation of an appropriate resume, personal letterhead, and appropriate methods used for contacting potential employers, personal dress, and attitudes relating to the interview presentation process.

CSCI 299 Programming Capstone

Credits: 3

Term: (S)

Prerequisite: CSCI 211

Corequisites: CSCI 213, CSCI 223, CSCI 232

The Capstone project allows the student to demonstrate mastery in each of the major areas of study in computer programming by way of the creation and delivery of a software product. Students in this course will submit a formal proposal of the product to the instructor and gain approval before work can commence. The student and instructor will meet regularly to review and assess progress throughout the semester.

Construction Trades (CSTN)

Courses

CSTN 094 PCE Non-Credit CSTN Course

CEUs: 0-6

Term: (Based on sufficient demand)

Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

Creative Writing (CRWR)

Courses

CRWR 094 PCE Non-Credit CRWR Course

CEUs: 0-6

Term: (Based on sufficient demand)

Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

CRWR 240 Intro Creative Writing Wrkshp

Credits: 3

Term: (F)

Core Class: Humanities

This course provides the student an opportunity to develop creative writing skills in the context of poetry and short fiction. Students will respond to the works of published authors, including selections by and about minorities and women. Conducted in a workshop atmosphere, students will write, revise, and respond and review their original work.

Criminal Justice (CJUS)

Courses

CJUS 094 PCE Non-Credit CJUS Course

CEUs: 0-6

Term: (Based on sufficient demand)

Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

CJUS 121 Intro to Criminal Justice

Credits: 3

Term: (F)

Core Class: Social Sciences

This course offers exposure to the fundamental perspectives and terminology of the criminal justice system in the United States. It includes the study of the interaction of the individual with the criminal justice system. Students will also examine the causes of criminal behavior and the history, influences, and related fields of knowledge that are connected to the criminal justice system. Topics will include responsibilities of agencies, roles of personnel, and the inter-relationships of criminal justice to political agencies and other factors that influence the criminal justice system.

CJUS 125 Fund of Forensic Science

Credits: 2

Term: (S)

In Fundamentals of Forensic Science, students will examine the philosophical, rational and practical framework that supports a case investigation. The unifying principles of forensic science to the pure sciences will be examined, and students will be introduced to the unique ways in which a forensic scientist must think. Topics will include the experimental method and some of the ways in which a forensic analysis can be confounded. The various forensic science occupations will also be explored.

Dental (DENT)

Courses

DENT 101 Intro to Dental Hyg/Preclinic

Credits: 2 (30 Lecture Hours)

Term: (F)

Prerequisite: Acceptance into the Dental Hygiene Program

This course is an introduction to the dental clinic and dental hygiene profession. This course presents both the theoretical basis and the clinical application of the numerous procedures performed by the dental hygienist. Includes infection control, client management and positioning, ergonomics, assessment data gathering and documentation, as well as an introduction to the principles of basic dental instruments and their application for basic dental hygiene treatment.

DENT 102 Intro to DH/Preclinic Lab

Credits: 2 (60 Lab Hours)

Term: (F)

Prerequisite: Acceptance into the Dental Hygiene Program

Entry level practical experience to complement the didactic information provided in DENT 101. This course allows the student basic experience in obtaining and documenting client assessment data. Basic instrumentation techniques will be practiced.

DENT 110 Theory of Infect Ctrl and Dis

Credits: 1 (15 Online Lecture Hours)

Term: (F)

Prerequisite: Acceptance into the Dental Hygiene or Dental Assistant Program

This course introduces the infection and hazard control procedures necessary for the safety of dental professionals and their clients during the practice of dentistry. Topics include microbiology, practical infection control, sterilization and monitoring, chemical disinfectants, aseptic techniques, infectious diseases, and OSHA standards.

DENT 115 Head, Neck and Oral Anatomy

Credits: 4

Term: (F)

The majority of this course presents content in head, neck, and dental anatomy, and includes dentitions and other oral cavity structures, osteology of the skull, muscles, nerves, and arteries of the head and neck, tooth morphology, salivary glands, and the temporomandibular joint. Basic human anatomy and physiology concepts are also covered to provide the student an overall foundation to the dental sciences. Oral tissue embryology, histology, and tooth numbering systems are emphasized as a supplement to the dental anatomy portion. Students successfully completing this course will be able to apply basic oral anatomic theory to laboratory and clinical settings.

DENT 116 Dental Office Management

Credits: 2

Term: (F)

This course exposes students to various front office procedures and dental practice management responsibilities commonly performed in a professional dental office. Students will learn the fundamentals of computer use in the dental practice by utilizing a dental practice management software package. Skills include creating patient records and a database to set up patient accounts, scheduling appointments, billing patient and third parties, and processing payments and reports. HIPAA regulations and other legal expectations within the healthcare field will also be discussed. This course is offered in hybrid format with both online and on-campus requirements.

DENT 118 Oral Anatomy for Hygienists

Credits: 3 (45 Lecture Hours)

Term: (F)

Prerequisite: Acceptance into the Dental Hygiene Program

The majority of this course focuses on the anatomy of the head, neck, and dentition. Oral tissue histology is introduced and general anatomical concepts are reviewed by the instructor. Anatomic design and tooth numbering systems are emphasized as a supplement to the dental anatomy portion. Students successfully completing this course will be able to apply basic oral anatomic theory to laboratory and clinical settings.

DENT 120 Oral Radiology/Radiography I

Credits: 3

Term: (F)

Corequisite: DENT 115

This course is the first of a series of two courses and includes both didactic and laboratory instruction. Content in this course includes the history and terminology of oral radiography, radiation physics, infection control, radiology supplies/equipment and its functions, intraoral paralleling exposure technique, darkroom procedures, biological effects of radiation and radiation protection, and mounting of radiographs. The practical component applies radiographic theory and technique in practice.

DENT 121 Oral Radiology/Radiography II

Credits: 2

Term: (S)

Prerequisite: DENT 115, DENT 120

This course includes didactic, laboratory, and clinic instruction. Content in this course emphasizes quality intraoral techniques (utilizing paralleling, bisecting, and specialty techniques), extraoral radiography, quality assurance, identifying and correcting undiagnostic radiographs, radiograph interpretation and assessment, patient relations, and application of theory in the lab/clinic setting. As an additional content area, digital radiography is emphasized in both theory and practice, and students apply this knowledge in Eaglesoft software and the use of Schick digital sensors. Students are expected to obtain their own prescription patients for final full mouth series. Dental assistant program students will be prepared to sit for the oral radiology component of the Dental Assisting National Board (DANB) examination upon successful completion of this course.

DENT 122 Radiology I/Lab

Credits: 2 (1 Lecture, 1 Lab)

Term: (F)

Prerequisite: Acceptance into the Dental Hygiene Program

This course is the first part of a two semester course. This semester will provide the foundation for the safe, effective use of radiation in the modern dental office. This course will involve the study of dental radiology and its application. At the completion of this course, students will be able to safely expose an image and understand what our legal and ethical responsibilities are in regards to radiation exposure. Emphasis will be placed on the following foundational knowledge: radiation physics, radiation biology, and radiation health and protection. Student learning outcomes will include techniques of intraoral and extraoral radiography, diagnostic quality of dental radiographs and digital imaging, as well as recognition of normal radiographic anatomy. Hands-on experience with digital radiography will be provided via lab sessions. DXXTR manikins will be utilized by the students in lab sessions as well as community patients, which will aid in better understanding and experience in all techniques. This course is both a lecture course and a lab.

DENT 123 Chairside Theory and Pract I

Credits: 4

Term: (F)

Corequisite: DENT 110, DENT 115

Chairside Theory and Practice I covers all aspects of the clinical dental assistant's duties in a general dental practice. It includes lecture, laboratory, and clinical sessions covering infection control procedures, dental instruments, equipment, impression materials, basic lab and chairside procedures (including patient preparation, medical history review, taking vital signs, dental charting, taking impressions, creating study models, and dental amalgam). Occupational safety and infection control is emphasized throughout the course.

DENT 124 Chairside Theory and Pract II

Credits: 4

Term: (S)

Prerequisite: DENT 110, DENT 115, and DENT 123

Chairside II is a continuation of Chairside I and includes lecture, laboratory, and clinical sessions. Content includes emphasis on esthetic restorative procedures, dental dam, coronal polishing, pit and fissure sealant placement, fluoride treatments, dental cements use and manipulation, specialty procedures, custom trays, golds, waxes, and fabrication and placement of temporary crowns and restorations.

DENT 125 Radiology II/Lab
Credits: 2 (1 Lecture, 1 Lab)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program, and successful completion of DENT 122.
This course will utilize all foundational knowledge received in DENT 122 Oral Radiology. This course will provide necessary skills to properly evaluate and interpret all radiographic series.

DENT 130 Dental Materials
Credits: 2 (15 Lecture Hours, 30 Lab Hours)
Term: (F)
Prerequisite: Acceptance into the Dental Hygiene Program
Materials most often used in dentistry are studied, focusing on the characteristics, physical properties, manipulation, and practical application of each material. Safety precautions relating to each material and procedure are emphasized.

DENT 140 Dental Sci/Prevent Dentistry
Credits: 4
Term: (S)
Prerequisite: DENT 115, DENT 123
This course includes the study of the oral plaque diseases and their prevention as well as an introduction to the science-based subjects of oral pathology, pharmacology, nutrition, and medical emergencies. Focus will be on the theory of the oral plaque diseases processes, the identification of associated pathologies, and the prevention of the diseases. Specific content areas also include caries risk assessment, drug classifications and interactions, fluoride use, oral hygiene techniques, oral health promotion, and patient education.

DENT 145 Dental Specialties
Credits: 3
Term: (S)
Prerequisite: DENT 115, DENT 123
The clinical specialties course includes an introduction to six dental specialties: periodontics, endodontics, fixed and removable prosthodontics, oral surgery, pediatric dentistry, and orthodontics. It includes theory in the individual specialties along with procedure set-ups (armamentarium), materials used, and instrumentation. An observation in a specialty office will be completed by each student. The student will also apply the knowledge in the laboratory and clinical setting.

DENT 150 Clinical Dent Hyg Theory I
Credits: 2 (30 Lecture Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
This course provides foundational knowledge and basic theory for the practice of Dental Hygiene. Topics include: defined roles of the dental hygienist, dental hygiene process of care, caries and periodontal risk assessment, dental hygiene care plan, oral hygiene assessment, use of fluoride, oral malodor, dentifrices, oral hygiene instruction/devices for oral self-care, dentition assessment, charting, and medical/dental emergencies. Theory background is used to support all clinical activities in DENT 151.

DENT 151 Clinical Dent Hyg Practice I
Credits: 4 (180 Clinical Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
Practice in beginning instrumentation and client assessment by providing introductory comprehensive dental hygiene treatment to fellow students, healthy adults, along with pediatric and adolescent clients. Introduction to dental clinic paperwork, record management, along with clinic policies and procedures will be provided. This course accompanies DENT 150 Clinical Dental Hygiene Theory I.

DENT 160 Periodontology I
Credits: 3 (45 Lecture Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
An introduction to the science and management of periodontal diseases. Emphasis on the etiology and classification of the disease, along with an overview of the anatomy and histology of periodontal structures and dental accretions. The dental hygienist's role in the recognition, prevention, and therapeutic procedures of the disease will be explored. This course will correlate theory with clinical activities in DENT 151.

DENT 165 Oral Histology and Embryology
Credits: 2 (30 Lecture Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
This course provides a basic understanding of the histologic structures of the head and neck region and the amazing process of embryonic development. The field of oral histology and embryology and its pertinence to clinical dental hygiene will be explored.

DENT 195 Clinical Off Practice and Sem
Credits: 7
Term: (Su)
Prerequisite: Completion of Dental Assistant courses and consent of program faculty
This is the capstone course for the Dental Assistant program and requires the student to integrate and apply all dental concepts from earlier coursework to the clinical setting. It involves rotated extramural clinical office experience in the dental community, where students actively participate in the operation of the dental practice as dental assistants in training. The seminar component of the course introduces a student to job search strategies, interview techniques, and preparation of personal resumes and cover letters. This course is offered in hybrid format having clinical, online, and on-campus requirements.

DENT 220 Dental Nutrition Health
Credits: 3 (45 Lecture Hours)
Term: (Su)
Prerequisite: Acceptance into the Dental Hygiene Program
This course covers the science of human nutrition, the application of basic nutrition principles to achieve optimal nutritional status throughout the life cycle, the impact of nutrition on oral health, and the impact of oral health on nutritional status. Enrollment limited to dental hygiene students and students with instructor permission.

DENT 223 Clinical Dent Hyg Theory II
Credits: 2 (30 Lecture Hours)
Term: (Su)
Prerequisite: Acceptance into the Dental Hygiene Program
A continuation of DENT 150, this course increases the emphasis on the principles of instrumentation in periodontal therapy. Topics will include power scaling, air powered polishing, tobacco education, and effective ergonomic principles. Students will be introduced to various adjunctive services that can be integrated to provide comprehensive client care. Theory background is used to support activities in DENT 251.

DENT 232 Comm Dental Hlth and Educ
Credits: 2 (30 Lecture and Community Service Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
A presentation of various methods and material used in community dental health education. The course provides an understanding of basic research and statistical concepts needed for sound community health practices. Emphasis on the use of evidenced based philosophy for acquiring, assessing, interpreting, critically analyzing, and incorporating scientific literature into community health practices. Field assignments in selected social settings and the development of a community project including assessment, planning, implementation, and evaluation components will encourage lifelong participation in community dental health care and volunteerism.

DENT 235 Prof Issues/Ethics in Dent Pra
Credits: 2 (30 Lecture Hours)
Term: (S)
A study of the legal and ethical responsibilities associated with the practice of dental hygiene and dentistry. Practice management and preparation for career longevity will also be explored.

DENT 237 Gerontology/Special Needs Pts
Credits: 2 (30 Lecture Hours)
Term: (F)
Prerequisite: Acceptance into the Dental Hygiene Program
This course provides preparation for clinical experiences with geriatric and special needs patients. The course will explore the aging process from a physical, social, psychological, and financial perspective as well as the disease processes of special needs individuals. Emphasis will be placed on accommodation and innovative management of special needs/systemic diseases that are presented during client dental treatment.

DENT 240 Local Anes/Nitrous Ox Theo/Lab
Credits: 2 (15 Lecture Hours and 30 Lab Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
This course is a combination of didactic learning as well as hands-on experience with a lab component. The course builds upon prior foundational knowledge of neurophysiology and dental anatomy as well as introducing pharmacology of local anesthetics and vasoconstrictors. Considerable attention is spent on the following areas, specifically as they pertain to the proper administration of dental local anesthesia: the drugs, the armamentarium, the techniques, and the complications. Emphasis will be placed on Emergency Medicine in the dental office to ensure proper preparation and management of common medical emergencies. Nitrous Oxide/Oxygen Sedation will focus on equipment and safety as well as systemic effects and administration techniques.

DENT 250 Clinical Dent Hyg Theory III
Credits: 2 (15 Lecture Hours)
Term: (F)
Prerequisite: Acceptance into the Dental Hygiene Program
A continuation of DENT 223, this course expands beyond the basic concepts of dental hygiene theory with exposure to more difficult oral conditions and various modes of treatment. Topics include: effective patient communication, aspects of cultural diversity in regard to patient communication and treatment, dental hygiene care plan, phases of treatment, coding treatment, root morphology, advanced instrumentation, and advanced fulcrums. This course is offered in conjunction with DENT 252.

DENT 251 Clinical Dent Hyg Practice II
Credits: 4 (180 Clinical Hours)
Term: (Su)
Prerequisite: Acceptance into the Dental Hygiene Program
A continuation of DENT 151, this course provides additional practical experience in clinical patient treatment with an emphasis on early periodontal disease and light subgingival deposits. Offered in conjunction with DENT 223.

DENT 252 Clinical Dent Hyg Practice III
Credits: 5 (225 Clinical Hours)
Term: (F)
Prerequisite: Acceptance into the Dental Hygiene Program
A continuation of DENT 251, this course provides clinical experience in more difficult client treatment needs exhibiting moderate to advanced periodontal involvement and moderate deposits. Increased client load is required. This course is offered in conjunction with DENT 250.

DENT 260 Periodontology II
Credits: 2
Term: (Su)
Prerequisite: Acceptance into the Dental Hygiene Program
This course is a continuation of DENT 160 Periodontology I. This course is an advanced study of periodontology. In this course the principles of periodontal surgery and implantology will be discussed. Dental Software will be utilized to complete in-depth analysis of assessments. Students will also make predictions of disease based on assessments obtained in DENT 250 and then confirm predictions by observing patients' biofilm obtained from DENT 250 under microscopy. Discussions of referrals will occur with emphasis on the role the dental hygienist plays in the field of dentistry.

DENT 263 General/Oral Pathology
Credits: 3 (45 Lecture Hours)
Term: (F)
Prerequisite: Acceptance into the Dental Hygiene Program
Pathology is the science that studies diseases. This course will present various pathologic processes; including pathogenesis, etiology, inflammation, tumor development, systemic manifestations, and developmental disturbances. This course's emphasis is the study of oral diseases and the recognition of their conditions. Students will utilize this information during their clinical practice.

DENT 280 Clinical Dent Hyg Theory IV
Credits: 1 (15 Lecture Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
A continuation of DENT 250, this course includes advanced dental hygiene theory that will increase the student's knowledge of the profession. Attention will be given to preparation for the National Board and Regional Board exams. Students will continue to explore both Advanced and Reinforced instrumentation techniques as well as Extraoral Fulcruming techniques. Emphasis will be focused toward exploration of the Dental Specialties, specifically Periodontics, Pedodontics, Oral Surgery, and Prosthodontics. Students will continue building their case study and present the case to faculty and peers. Theory background will be used to support all activities in DENT 281.

DENT 281 Clinical Dent Hyg Practice IV
Credits: 5 (225 Clinical Hours)
Term: (S)
Prerequisite: Acceptance into the Dental Hygiene Program
A continuation of DENT 252, this course provides a variety of advanced clinical experiences with an emphasis on treatment of more complex periodontal cases. This course is in conjunction with DENT 280 Clinical Dental Hygiene Theory IV.

DENT 292 Clinical DH Practice IV IS
Credits: 1-3 (225 Clinical Hours)
Term: (F, S, Su)
Additional clinical instruction to complete outstanding clinical requirements included in DENT 281 Clinical Dental Hygiene Practice IV along with a demonstration of scaling competency on a NEW Adult client with an III-IV AAP and C/D calculus level classification.

Economics (ECNS)

Courses

ECNS 094 PCE Non-Credit ECNS Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

ECNS 201 Principles of Microeconomics
Credits: 3
Term: (F, Su)
Core Class: Social Sciences
This course examines the subsystems of the economy such as the economics of the individual, the firm, and the industry. Study includes analysis of the pricing mechanism of the economy and the theories of income distribution.

ECNS 202 Principles of Macroeconomics
Credits: 3
Term: (S)
Core Class: Social Sciences
This course presents the principles underlying the operation of a macroeconomic system through the study of the national and world economies as a whole. Topics explored include gross domestic product, full employment, economic growth, surplus and deficits, income distribution, balance of trade, protectionism, government policies, and international trade.

Education (EDU)

Courses

EDU 094 PCE Non-Credit EDU Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

EDU 200 Introduction to Education
Credits: 3
Term: (F)
This class explores the profession of teaching by connecting theory to real-life experiences in the field. Students will cover the development of students, diversity, learning strategies, motivation, classroom management, assessment of learning, and construction of a professional portfolio through seminar discussions, in school observations, interviews, and personal reflection.

EDU 211 Multicultural Education
Credits: 3
Term: (S)
This course helps current and future teachers reflect on their own heritage and how it relates to people of other economic, social culturalsociocultural, ethnic, gender, religious, and sexual orientation groupings. An emphasis is placed on democratic community- building in a multicultural society.

EDU 221 Ed Psych & Measurement
Credits: 3
Term: (F)
This course explores the physical, psychological, and cognitive development in students of all ages within the contexts of education, family, and society. Emphasis is given to applying brain-based research, stages of learning, and psychological factors influencing the learning process to classroom management and educational evaluation.

EDU 270 Instructional Tech (=370)
Credits: 3
Term: (F)
Prospective teachers are introduced to the uses of technology to enhance the education experience. Students will learn to use media software common in educational settings for a variety of instruction purposes.

Electrical Technology (ELCT)

Courses

ELCT 120 Basic Industrial Controls
Credits: 3
Term: (F)
Prerequisite OR Corequisite: ETEC 101, NRGY 120, NRGY 130, and M 105, or M 121, or M 151, or M 171.
This course covers an introduction to Basic Industrial Control methods. The topics covered in this course provide a foundation for further study in the industrial control branch of knowledge.

ELCT 130 Elec Motors and Generators
Credits: 3
Term: (S)
Prerequisite: ETEC 101, ELCT 120, NRGY 120, NRGY 130, and M 105, or M 121, or M 151, or M 171 with a C- or higher.
This course covers an introduction to the terminology and basic principles of DC and AC motors and generators. Students will study single phase and three phase motors and generators and operational controls. Common AC and DC power generation equipment and testing techniques will also be covered.

ELCT 250 Programmable Electronic Contro
Credits: 3
Term: (F)
Prerequisite: ETEC 103, ELCT 130, NRGY 110, & MCH 130 with a C- or higher.
This course covers an introduction to a variety of programmable logic controllers (PLCs). The applications, operations, and programming of PLCs will be covered with an emphasis on programming. Computers and manual methods will be used to program PLCs.

Electronic Technology (ETEC)

Courses

ETEC 101 AC/DC Electronics I
Credits: 3
Term: (F)
Prerequisite OR Corequisite: NRGY 120, NRGY 130, ELCT 120, and M 105, or M 121, or M 151, or M 171.
This course introduces safety rules, concepts, and operating characteristics of direct current (DC) and alternating current (AC) electrical circuits. Selection, inspection, use, and maintenance for common electrical test equipment are also covered.

ETEC 103 AC/DC Electronics II
Credits: 3
Term: (S)
Prerequisite: ETEC 101, ELCT 120, NRGY 120, and NRGY 130 with a C- or higher and M 105 or M 121 or M 151 or M 171 with a C- or higher
This course is a continuation of the AC/DC Electronics I course. Safety rules, concepts, and operating characteristics of electrical circuits will continue to be emphasized. Capacitors, inductors, low voltage power supplies, diodes, transistors, and triodes will be introduced and analyzed.

ETEC 220 ElectricalPower/Distribution I
Credits: 3
Term: (F)
Prerequisite: ETEC 103, ELCT 130, NRGY 110, & MCH 130 with a C- or higher.
This course covers an introduction to the generation of electrical power and moving that power through a local transmission system to a substation where a customer will purchase the generated power. Safely working with components of a high voltage transmission system will also be covered.

ETEC 230 Electric Power/Distribution II
Credits: 3
Term: (S)
Prerequisite: ETEC 220, ELCT 250, ETEC 245, ETEC 231 with a C- or higher.
This course is a continuation of the Electrical Power and Distribution I course. It covers the generation of electrical power and moving that power through a local transmission system to a substation where a customer will purchase the generated power.

ETEC 231 Electronic Drive Systems
Credits: 3
Term: (F)
Prerequisite: ETEC 103, ELCT 130, NRGY 110, & MCH 130 with C- or higher
This is an advanced course in electronic drive systems used in industrial applications. Electronic control of Direct Current and Alternating Current motors, transmission and solid-state controllers, and electronic control of power generation equipment.

ETEC 234 Automatic Controls
Credits: 4
Term: (Currently not offered)
Prerequisite: ELCT 250, ETEC 220, ETEC 231, and ETEC 245 with a C- or higher.
This course explores the theory, terminology, and components used in automatic control of industrial machines. Servomechanisms will be used as a representative control system to analyze open-loop, closed-loop, proportional, integral, and differential control strategies. The use of transducers and computers in automatic control systems in the industrial control setting is emphasized.

ETEC 236 Intro to Industrial Robotics
Credits: 3
Term: (Currently not offered)
Prerequisite: ELCT 250, ETEC 220, ETEC 245, & ETEC 231 with a C- or higher.
This course introduces the concepts of industrial robotics. This course provides an overview of industrial robots and their role in the process of automation. Basic programming methods, maintenance, and system interfacing will also be covered.

ETEC 245 Digital Electronics
Credits: 4
Term: (F)
Prerequisite: ETEC 103, ELCT 130, NRGY 110, & MCH 130 with a C- or higher.
This course covers basic digital circuits and their use in microprocessors and other digital devices. Reading digital logic schematics and building, testing, and troubleshooting digital circuits is also covered.

Emergency Care Provider (ECP)

Courses

ECP 094 PCE Non-Credit ECP Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

ECP 100 First Aid & CPR
Credits: 1
Term: (F, S, Su based on sufficient demand)
This course is designed so students can receive their First Aid and BLS for Healthcare Providers CPR card. The students will be exposed to the skills of CPR for victims of all ages (including ventilation with a barrier device, a bag-mask device, and oxygen), use of an automated external defibrillator (AED), and relief of foreign-body airway obstruction (FBAO).

ECP 120 Emergency Medical Responder
Credits: 3
Term: (Based on sufficient demand)
This course provides the nationally recognized minimum level of training for entry level in the emergency services industry. The course provides didactic and practical experience concerning initial assessment and immediate management of trauma and medical patients. Successful course completion will allow the student to enter the national certification examination. Once approved to enter the certification process, all other aspects of authorization and certification are the responsibility of the student. Note: students must be 18 years of age to take the certification examination.

ECP 131 EMT with Clinical
Credits: 7 (4 Lecture, 2 Skills Lab, 1 Clinical)
Term: (F, S)
This course is the nationally recommended minimum level of training for ambulance personnel and is considered the desired level of medical training by many fire departments. The course focuses on skill development in the primary responsibilities of the EMT, which are to bring emergency medical care to victims of emergencies, to stabilize their condition, and to transport them safely and expeditiously to an appropriate facility. This course is a combination of classroom work and practical experience. Upon successful completion of the course, graduates are eligible to sit for the Montana and National Registry certification examinations. All aspects of authorization/certification are the responsibility of the student. Note: Students must be 18 years of age and have a current BLS HCP card to take the national certification examination; however, students may be younger to take this course.

ECP 203 Fundamentals of Advanced Care
Credits: 3
Term: (F)
Prerequisite: Consent of instructor and acceptance into the Paramedic program
This course provides an introduction to the practice of paramedicine and will provide the student with information regarding preparatory aspects of the pre-hospital environment. Topics include: role and responsibilities of the Paramedic, well well-being of the Paramedic, injury prevention, medical-legal issues, Ethicsethics, assessment and management, communication and documentation, pharmacology, venous access and medication administration, as well as airway management and ventilation.

ECP 209 Paramedic I
Credits: 3
Term: (F)
Prerequisite: Consent of instructor and acceptance into the Paramedic program
This course provides information as it relates to patient etiologies for medical emergencies in and out of hospital setting in the areas such as, neurological, and endocrine emergencies. This course also covers allergic reactions, infection and communicable diseases, and gastrointestinal, toxicological and urological emergencies. Finally, this course will explore hematological, environmental, EENT, and behavioral emergencies. Assessment and management of the topic areas will be discussed and evaluated. An understanding of the assessment process and the pathophysiology will be vital in managing patients with these course topics.

ECP 210 Paramedic II
Credits: 3
Term: (F)
Prerequisite: Consent of instructor and acceptance into the Paramedic program
This course provides information as it relates to patient etiologies for medical emergencies in and out of hospital setting in the areas of Shock shock and cardiac care. The course provides a foundation and understanding in both basic and 12 ECG interpretation. Advance cardiac life support algorhythms algorithms will be detailed and practiced. The Use use of a manual defibrillator defibrillator and cardiac monitor are also covered. Assessment and management of patients in shock or having cardiac emergencies will be discussed and evaluated. An understanding of the assessment process and the pathophysiology will be vital in managing patients with these course topics.

ECP 211 Paramedic I/II Lab
Credits: 2
Term: (F)
Prerequisite: Consent of instructor and acceptance into the Paramedic program
This course provides the student with laboratory experience in the areas of assessment, physical examination, history gathering, basic and advanced airway management skills, pharmacology, and the initiation and management of fluid therapy (topics covered in Fundamentals of Advance Care), as well as reinforcement and application of the medical emergencies covered in Paramedic I and II.

ECP 212 Advanced Cardiac Life Support
Credits: 1
Term: (F)
Prerequisite: Consent of instructor
This course provides instruction and assistance to students in preparing for the American Heart Association's Advanced Cardiac Support Provider Course. ACLS covers course topics of advanced cardiac life support assessment and management of the patients with acute cardiac conditions including cardiac arrest, tachycardia, bradycardia, stroke, and acute coronary syndrome.

ECP 215 Clinical I
Credits: 3
Term: (F)
Prerequisite: Consent of instructor and acceptance into the Paramedic program
This course introduces Paramedic students to the clinical arena and starts their ambulance ride-along experience. Students will be scheduled for shifts in the emergency department. They will gain experience assessing patients experiencing real-life emergencies. They will also gain experience performing EMS skills such as IVs, medication administration, performing 12 lead ECGs, and airway management skills with a focus on endotracheal intubation. Students will also be scheduled in the surgical department. During the ride-along experience, students will become acquainted with the operations of an ambulance service. Students will focus on how they can be an effective team member of an ambulance crew and gain needed experience in assessment and management of medical emergencies in the pre-hospital setting.

ECP 237 Paramedic III
Credits: 3
Term: (S)
Prerequisite: Successful completion of ECP 209 and ECP 210, or consent of instructor
This course will introduce or reinforce the understanding, assessment, and management practices within the scope of a paramedic in the area of traumatic emergencies and ambulance operations. The first part of the course will cover trauma in the areas of trauma systems and mechanisms of injury, hemorrhage and shock, soft tissue trauma, burns, head and facial trauma, spinal trauma, thoracic trauma, abdominal trauma, and musculoskeletal trauma. The second part of this course will focus on ambulance operations, which include medical incident command, rescue awareness and operations, crime scene awareness, hazardous materials incidents, and bioterrorism and weapons of mass destruction. Additionally, the course will prepare the successful candidate for the rigorous National Registry Certification examination. The Fisdap Paramedic readiness examination will be utilized as the final for both ECP 237 and ECP 238.

ECP 238 Paramedic IV
Credits: 3
Term: (S)
Prerequisite: Successful completion of ECP 209 and ECP 210, or consent of instructor
This course will complete the student's investigation into medical emergencies including gynecology, obstetrics, neonatology, pediatrics, and geriatrics. Other special considerations will include emergencies in the elderly, abuse and assault, patients with special challenges, and acute interventions for the chronic care patient. Students will be required to research an EMS related subject (as approved by instructor) and present their findings to the class. Additionally, it will be within the scope of this course to prepare the successful candidate for the rigorous National Registry Certification examination. The Fisdap Paramedic readiness examination will utilized as the final for both ECP 237 and ECP 238.

ECP 239 Paramedic III/IV Lab
Credits: 2
Term: (S)
Prerequisite: Consent of instructor
This course is a continuation of ECP 211, with reinforcement and application of topics previously covered, such as airway and breathing management skills, cardiac assessment and management, and the assessment and management of a medical patient. This course will also introduce and reinforce assessment and management of pediatric emergencies, obstetrics emergencies, and traumatic emergencies.

ECP 240 Pre-Hospital Trauma Life Suppt
Credits: 1
Term: (Su)
The PHTLS program is a 16 hour national standard curriculum which attempts to increase each student's understanding and skills in prehospital trauma management. This increased understanding of the kinematics, pathophysiology, systemic impact, and intervention techniques will result in improving the assessment and treatment of the multisystem trauma patient and offer a perspective to the patient's individual needs that may exceed traditional treatment modalities.

ECP 241 Pediatric Advanced Life Supprt
Credits: 1
Term: (S)
This course provides instruction and assistance to students in preparing for the American Heart Association's Pediatric Advanced Cardiac Support Provider Course. PAL'S covers course topics of pediatric advanced cardiac life support, as well as assessment and management of the pediatric patient with regards to respiratory emergencies and shock.

ECP 245 Clinical II
Credits: 4
Term: (S)
Prerequisite: Consent of instructor
The clinical and field internship experience allows the students to integrate knowledge and skills from the classroom setting into actual patient care in the hospital and field domain. Students are expected to complete their clinical (in in-hospital) experience in anticipation of starting their internship. Students will continue to interact with hospital staff in clinical areas such as Pediatrics, OBGYN, ICU, CICU, Behavioral, OR, and ER. Students also continue ambulance ride ride-alongs with an area of focus specific of advance life support.

ECP 298 Field Internship
Credits: 6
Term: (Su)
This course is the final stage of the paramedic technical core classes, with 360 minimum numbers of hours. This course continues with the application of advanced life support skills and assessment techniques (phase II), transitioning into team leadership (phase III) as a paramedic student.

Geoscience: Geology (GEO)

Courses

GEO 101 Intro to Physical Geologyw/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S)
Core Class: Natural Science
This course is an introduction to geologic principles, with an emphasis upon geologic processes (plate tectonics, mountain building, and weathering); rock types (igneous, sedimentary, and metamorphic); and geologic hazards (volcanoes and earthquakes). Some time will be spent discussing geologic time; water and mineral resources; landforms; and glaciers. The laboratory portion of this course will include mineral and rock identification; topographic map reading; basic interpretation of geologic maps; and other activities dealing with topics covered in lecture. In order to have the greatest success in this course, it is highly recommended that students possess strong algebra skills.

Health (HTH)

Courses

HTH 094 PCE Non-Credit HTH Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

HTH 105 Explor Comp and Alt Medicine
Credits: 2
Term: (F, S, Su)
This course examines the vast selection of therapeutic interventions known as alternative or complementary medicines being presented to today's consumers.

HTH 120 IV Therapy for HC Providers
Credits: 1
Term: (F, S, Su based on sufficient demand)
Prerequisites: Students must be enrolled in the last semester of the Practical Nurse program or the second year of the Respiratory Care program, or obtain consent of instructor
Intravenous Therapy covers IV therapy principles including anatomy of the arm and hand with particular attention to the veins, IV equipment, IV solution flow rates calculation, infection control, potential complications and IV documentation. Each student will perform IV starts on a mannequin arm, and when proficient, initiate IVs on people.

HTH 140 Pharmacology for HC Providers
Credits: 2
Term: (F)
Prerequisite OR Corequisite: ECP 209 and Consent of Instructor.
This course reflects the ever-changing science of pharmacology and responsibilities in administering pharmacological agents. The purpose of this course is to promote safe and effective drug therapy by providing essential information that accurately reflects current practice in drug therapy and facilitating the comprehension and application of knowledge related to drug therapy. Application requires the knowledge about the drug and the patient receiving it. General principles of drug administration, terminology, drug regulation, standard references and legal responsibilities are included as well as major drug classifications and therapeutic implications.

HTH 150 Personal Health and Fitness
Credits: 2
Term: (F, S)
This course is designed to educate, support, and motivate individuals toward a life-long commitment to physical fitness including nutrition for health and weight management; establishing physical fitness goals; and planning for physical strength improvement and/or maintenance. Exercise laboratory experience allows students to apply physical fitness principles.

HTH 180 Pharmaceuticals for HC Provdrs
Credits: 1
Term: (F, Su)
Prerequisite OR Corequisite: AHMS 144, BIOH 112
This course provides basic knowledge of the most commonly prescribed pharmaceuticals needed to analyze health care information for various health science support functions. Emphasis is on classification, indications, therapeutic effects, side effects, interactions, and contraindications of new, current, and newly introduced applications of existing medications.

HTH 201 Health Issues for Educators
Credits: 3
Term: (S)
This course is a survey of drug education and health concerns for educators of school-aged children, including topics required by Montana's Board of Public Education for health-related teacher education.

Health Information Technology (HIT)

Courses

HIT 230 Ovrvw of Hlth Information Syst
Credits: 4
Term: (F, Su)
Prerequisite: AHMS 144 and CAPP 131
This course will cover the principles of analysis, design, evaluation, selection, acquisition, and utilization of information systems in healthcare. Also included in this course are the technical specifications of computer hardware, software, networks, and telecommunications. Furthermore, this course will provide an understanding of technology's role in healthcare. The course will emphasize the intellectual use of information strategic planning, decision support, program management, high quality patient care, and continuous quality improvement. Application will be provided using extensive discussion and assignments designed to approximate real life situations.

HIT 265 Electr Health Rec in Med Prac
Credits: 3
Term: (F, S)
Prerequisite: CAPP 131
Prerequisite OR Corequisite: AHMS 108
Students will learn the personnel functions and associated workflows required in an ambulatory care physician clinic and how to prepare for, implement and use an electronic health record (EHR) to achieve a paperless office environment and improved quality of care. Office function, associated workflow and EHR use will include all office personnel roles from receptionist through nurse and physician. EHR use will include both in-office functions and its role in Health Information Exchange (HIE) with other health care providers and organizations including laboratories, pharmacies, consulting physicians and payers.

History: American (HSTA)

Courses

HSTA 094 PCE Non-Credit HSTA Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

HSTA 101 American History I
Credits: 3
Term: (F)
Core Class: History
This course surveys the history of the United States from the era of discovery to the Colonial Period and through the Civil War. Topics include the political, social, economic, cultural, and diplomatic developments that contributed to the formation of the North American civilization and to the position of the United States in the world's community of nations.

HSTA 102 American History II
Credits: 3
Term: (S)
Core Class: History
This course is a survey of American history since the Civil War. The focus of the course will be on why events happened and what meaning they had for today's United States. The role of individuals and groups will be as important as the functioning of the more depersonalized economic and political forces of history. Themes of urbanization, industrialization and ethnicity will be emphasized. This course will stress social history as well as traditional political history.

HSTA 255 Montana History
Credits: 3
Term: (F, S, Su)
Core Class: History
This course is a study of the major political, social, cultural and economic developments that have contributed to the formation of Montana and to Montana's place within the region, the nation, and the world, from prehistoric times to the present.

History: World (HSTR)

Courses

HSTR 094 PCE Non-credit HSTR Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

HSTR 101 Western Civilization I
Credits: 3
Term: (F)
Core Class: History
This course examines the major political, economic, and cultural developments of western civilization from its inception in the Fertile Crescent in the fourth millennium B.C. through the era of the Renaissance and Reformation in the 16th Century.

HSTR 102 Western Civilization II
Credits: 3
Term: (S)
Core Class: History
This course examines the major political, economic, and cultural developments of western civilization from the 17th century to the present.

Information Technology Systems (ITS)

Courses

ITS 094 PCE Non-Credit ITS Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

ITS 125 Fund of Voice & Data Cabling
Credits: 3
Term: (F)
Fundamentals of Voice and Data Cabling is a lecture and hands-on course that focuses on industry standards and techniques for the design and implementation of structured cabling systems. Students will demonstrate competency in the installation and termination of both copper and fiber optic cabling, including the proper use of tools and test equipment. Course assessments are used to show the student's understanding of the course content. This course is designed around the hybrid learning model. All lab experiences will be on campus.

ITS 164 Networking Fundamentals
Credits: 3
Term: (F, and Su based on sufficient demand)
This course is an introduction to networking fundamentals with both lecture and hands-on activities. Topics include the OSI model and industry standards, network topologies, IP addressing (including subnet masks), and basic network design. Concepts are reinforced with lab activities using equipment in live and simulated environments. CompTIA Network+ certification objectives.

ITS 210 Network OS - Desktop
Credits: 3
Term: (S)
Prerequisite: CSCI 105
This course examines the role of operating system software and various user interfaces. The primary focus will be on using a command line interface for file management tasks as well as creating and troubleshooting batch files. File management, troubleshooting, application, Internet and administrative functions in a graphical interface will also be examined. This course maps to the MCSE/MCSA Exam certification.

ITS 215 Network OS -Dir /Infrastructre
Credits: 4
Term: (F)
Prerequisite OR Corequisite: CSCI 105 and ITS 210
This course provides students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server enfironment. This course will help the student prepare for two of the Microsoft Certified Professional exams.

ITS 217 Network OS - Server Admin/Apps
Credits: 4
Term: (S)
Prerequisite OR Corequisite: CSCI 105, ITS 210, and ITS 215
This course provides students with the knowledge and skills to implement, manage, and maintain a Microsoft Windows Server network infrastructure. The course is intended for systems administrator and systems engineer candidates who are responsible for implementing, managing, and maintaining server networking technologies. These tasks include implementing routing, implementing, managing, and maintaining Dynamic Host Configurations Protocol (DHCP), Domain Name System (DNS), and Windows Internet Name Service (WINS); securing Internet Protocol (IP) traffic with Internet Protocol security (IPSEC) and certificates; implementing a network access infrastructure by configuring the connections for remote access clients; and managing and monitoring newtork access. This course will help the student prepare for the Microsoft Certified Professional Exams.

ITS 218 Network Security
Credits: 3
Term: (S, Su based on sufficient Demand)
Prerequisite: ITS 164
Security baselines, network infrastructure security, web security, cryptography, operations security, and security management. CompTIA Security+ certification objectives.

ITS 220 Fundamentals Of Wireless LANS
Credits: 3
Term: (Based on sufficient demand)
Prerequisite: NTS 105
The Fundamentals of Wireless LANs is an introductory course that focuses on the design, installation, configuration, operation, and troubleshooting of 802.11a, 802.11b, and 802.11g Wireless LANs. This course is a comprehensive overview of wireless technologies, devices, security, design, and best practices with a particular emphasis on real work applications and skills. Students will be doing a number of hands-on activities using Cisco wireless access points, NICs, and bridges.

ITS 222 Enterprise Security
Credits: 3
Term: (S, Su based on sufficient demand)
Examination of general information technology security concepts. Topics include access control, authentication, attack methods, remote access, web security, wireless networks, cryptography, internal infrastructure security, and external attacks. Security procedures, organizational policies, risk management and disaster recovery addressed.

ITS 224 Introduction To Linux
Credits: 4
Term: (S)
Prerequisite: CSCI 105
This course will help the student understand the many complex topics of Linux/Unix based systems and help students master Linux network administration. Students will use various learning tools, hands on projects and case projects to allow students to implement the practices they will be learning. This course will help prepare students to successfully complete the CompTIA Linux + exam.

ITS 245 Exploring Computer Forensics
Credits: 3
Term: (F, Su based on sufficient demand)
This course is an exploration into computer forensics in which a student will be able to use the skills and knowledge acquired and apply that knowledge to computers and mobile forensic concepts in forensic investigations procedures.

ITS 255 IP Telephony
Credits: 3
Term: (Based on sufficient demand)
Prerequisite: NTS 205 or consent of instructor
IP Telephony is an introductory course into the technology and equipment used to provide telephone services by using LAN and WAN based technologies. Students in this highly hands-on course will develop voice over IP (VoIP) networks using the application software, protocols and equipment used in implementing IP telephony in both small and large businesses.

ITS 256 CCNA Security
Credits: 3
Term: (F, Su Based on sufficient demand)
Prerequisite: NTS 205
CCNA Security aims to develop an in-depth understanding of network security principles as well as the tools and configurations available. The course covers the following concepts: protocol sniffers/analyzers, TCP/IP and common desktop utilities, Cisco IOS® Software, Cisco VPN client, Packet Tracer, and web-based resources. Various types of hands-on labs provide practical experience, including procedural and troubleshooting labs, skills integration challenges, and model building. The curriculum also includes Packet Tracer-based skills integration challenges that build throughout the course and lead to an "exam-like" culminating activity in the last chapter.

ITS 260 CCNP: Routing (equiv to 362)
Credits: 4
Term: (F)
Prerequisite: NTS 205, CCNA TechPrep, or CCNA certification
Advanced Routing is the first of four courses leading to the Cisco Certified Network Professional (CCNP) certification. Advanced Routing is a lecture and hands-on course that teaches students how to design, configure, maintain, and scale routed networks. Students learn to use VLSMs, private addressing, and NAT to enable more efficient use of IP addresses. This course teaches students how to implement routing protocols such as RIP v2, EIGRP, OSPF, IS-IS, and BGP. In addition, this course details the important techniques used for route filtering and route redistribution. After the completion of this class, students are encouraged to take the CCNP Routing (BSCI) certification exam, which is one of the certification exams leading to the CCNP certification.

ITS 264 CCNP: Switching (equiv to 364)
Credits: 4
Term: (S)
Prerequisite: NTS 205, CCNA TechPrep, or CCNA certification
Multilayer Switching is the third of four courses leading to the Cisco Certified Network Professional (CCNP) certification. Multilayer Switching is a lecture and hands-on course that introduces students to the deployment of the state-of-the-art campus LANs. This course focuses on the selection and implementation of the appropriate Cisco IOS services to build reliable scalable multilayer-switched LANs. Students will develop skills with VLANs, VTP, STP, inter-VLAN routing, redundancy, Cisco AVVID, QOS issues, campus LAN security, and transparent LAN services. After the completion of this class, students are encouraged to take the CCNP Switching certification exam (BCMSN), which is one of the certification exams leading to the CCNP certification.

ITS 271 Securing Desktop/Mobile Device
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, Su based on sufficient demand)
Prerequisite OR Corequisite: ITS 215 or Consent of Instructor
Course provides advanced technical information and relevant skills to successfully secure end-user devices, including desktop and laptop systems, tablets, cellular phones, and other portable computing equipment. Building on existing knowledge and skills in the areas of server management, network management, and security, students will gain mastery-level knowledge of security issues and best practices. Course content covers client/server exposures and protections (authentication options, packet signing and encryption of network traffic, appropriate implementation of permissions and rights); malware threats and treatments; transmission choices and precautions (wired, wireless, remote desktop access, virtual private networking (VPN)); cloud computing considerations; and corporate mobile device best practices. Hardening of the operating system and application software is also covered. Course content will focus on business-focused security practices to prepare students for Security+, CISSP, and Security Pro industry certifications. Prerequisite Skills: Course builds upon established skills in security, server management, and network management. Students should be working as a network manager or have completed appropriate skills-based coursework using MS Server & VMware.

ITS 274 Ethical Hacking and Network Defense
Credits: 3
Term: (S)
Prerequisite Or Corequisite: ITS 256 or ITS 218
This course gives students the skills necessary to secure network assets by exploring the mechanisms of ethical hacking.

ITS 275 Border/Perimeter Network Security
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, Su based on sufficient demand)
Prerequisite: ITS 215
Course provides advanced technical information and relevant skills to successfully secure computer networks at the public/private interface. Material focuses on hardware and software-based techniques to prevent and monitor unauthorized or malicious access to corporate networks and servers. Building on existing knowledge of border and perimeter security, students will develop and implement best practices guidelines for boundary-related devices and software. Students will establish baseline assessments of network security from public access points and identify known and/or potential security vulnerabilities. Course content will focus on business-focused security practices to prepare students for the Security+, CISSP, and Security Pro industry certifications. Prerequisite Skills: Course builds upon established skills in security, server management, and network management. Students should be working as a network manager or have completed appropriate skills-based coursework using MS Server & VMware.

ITS 277 Software Assurance and File System Internals
Credits: 4
Term: (S, Su based on sufficient demand)
Prerequisite: ITS 215
Course provides advanced technical information and relevant skills to methodically secure software, including operating systems, custom application software, and commercially-available packages. Students will classify application software (including, but not limited to customer-facing, employee/partner, mobile/endpoint, database, and cloud-based), and perform risk analyses and common weakness assessments against these programs. Students will research various commercial, professional, and governmental security organizations and create a personalized repository of security-related checklists, toolkits, reference material, and resources. Students will investigate low-level file system structures such as master file tables, allocation tables, free space tables, file table entries, and metadata fields. Using common file signatures and checksums, students will verify internal content against external and metadata indicators. Students will examine 'hidden' disk space areas, including file, volume, and/or partition slack. Course content will focus on business-focused security practices to prepare students for Security+, CISSP, and Security Pro industry certifications. Prerequisite Skills: Course builds upon established skills in security, server management, and network management. Students should be working as a network manager or have completed appropriate skills-based coursework using MS Server & VMware.

ITS 280 Computer Repair & Maintenance
Credits: 4
Term: (S)
Prerequisite or Corequisite: CSCI 105 or consent of instructor
The primary purpose of this course is to prepare students to troubleshoot and repair microcomputer systems. This goal is achieved through a three-part effort: (1) theory presentation with regular assessment; (2) hands-on operation and exploration in lab experiments; and (3) troubleshooting applications in the lab. Hands-on training includes servicing microcomputers, identification, installation, and configuration of microprocessors, memory, system boards, power supplies, and floppy and disk drives. The emphasis of this course is both the hardware and operating systems for the CompTia A+ Essentials and IT Technician Certification tests.

ITS 289 Professional Certification
Credits: 1
Term: (F, S, Su Based on sufficient demand)
Review objectives of an information technology industry-based professional certification. Certification objectives, preparation strategies, and exam strategies included. Course can be repeated for different industry-based professional certifications.

ITS 291 Special Topics
Credits: 1-9
Term: (Based on sufficient demand)
Prerequisite: NTS 104, ITS 215, and ITS 217, or consent of instructor
This course provides students with supporting knowledge and advanced skills required to set up, configure, use, and support network operating systems. This course also helps prepare the student to meet requirements to become a certified professional. Topics vary and will be determined by industry changes, technological advances, and student interest.

ITS 294 Seminar-Hlth Info Networking
Credits: 1-6
Term: (Based on sufficient demand)
Prerequisite: NTS 204 or consent of instructor
Topics vary and will be determined by industry changes, technological advances, and student interest.

ITS 298 Internship
Credits: 3
Term: (S)
Prerequisite: Sophomore status or consent of instructor
This is the final course that completes the student's curriculum for the Computer Information Technology (CIT) degrees. This will provide students the ability to acquire firsthand experience by completing an internship, and study interviewing techniques including preparation of an appropriate resume, personal letterhead, and appropriate methods used for contacting potential employers, personal dress, and attitudes relating to the interview presentation process.

ITS 299 Capstone
Credits: 3
Term: (S)
Prerequisite: Sophomore status or consent of instructor
This is the final course that completes the student's curriculum for the Computer Information Technology degrees. Students will pull together what they have learned in their previous classes and demonstrate their capabilities. The course provides students with the experience in training and supporting end users, techniques for developing and delivering training modules, and strategies for providing on-going technical support. Emphasis is on problem solving, such as debugging, troubleshooting, and interaction with users. Students will acquire firsthand experience and study interviewing techniques including preparation of an appropriate resume, personal letterhead, and appropriate methods used for contacting potential employers, personal dress, and attitudes relating to the interview presentation process.

Languages: Sign (SIGN)

Courses

SIGN 094 PCE Non-Credit SIGN Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

SIGN 101 Intro to American Sign Lang
Credits: 3
Term: (F, S)
Core Class: Cultural Diversity
In this course, the student will have an opportunity to develop a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary, and basic conversational skills. Vital aspects of deaf culture and community will be incorporated. The direct experience method, using ASL, will be used to enhance the learning process. 202050.

SIGN 201 Intermediate Am Sign Lang
Credits: 3
Term: (Based on sufficient demand)
Prerequisite: SIGN 101
Intermediate American Sign Language continues the skill development started in SIGN 101. This course will cover instructions in the grammatical features of ASL, vocabulary development, conversational skills, and exposure to the culture of the deaf community. 202050.

Languages: Spanish (SPNS)

Courses

SPNS 094 PCE Non-Credit SPNS Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

SPNS 101 Elementary Spanish I
Credits: 4
Term: (F)
Core Class: Cultural Diversity
An elementary level Spanish course designed to help students acquire basic proficiency in communicating within culturally significant contexts. An integrated approach to teaching language skills with emphasis on vocabulary acquisition and basic grammatical structures.

SPNS 102 Elementary Spanish II
Credits: 4
Term: (S)
Prerequisite: SPNS 101 or equivalent
Core Class: Cultural Diversity
This course builds upon the foundation established in SPNS 101. Greater emphasis is placed upon oral and written expression. Reading and discussions are designed to increase comprehension of more linguistically complex texts and more conceptually complex cultural issues.

Liberal Studies and Humanities (LSH)

Courses

LSH 201 Introduction to the Humanities
Credits: 3
Term: (F, S, Su based on sufficient demand)
Core Class: Humanities
This course will examine the major historical, political, and cultural developments of western civilization and the resultant creations of art -- music, art, drama, and literature.

LSH 244 American Cultural Values
Credits: 3
Term: (S)
Core Class: Cultural Diversity
This course surveys change and continuity in American cultural traditions, values, and beliefs from the perspectives of familial, social, and economic organizations. Explores how values and beliefs have been shaped and modified in America's rise as a world power in the context of shifting demographics, class relations, and world economies.

LSH 291 Special Topics
Credits: 1-6
Term: (S or Su as available)
This course will examine the major historical, political, cultural, and artistic developments of the region. Student must be available to participate in national and/or international travel and must provide their own travel documentation. Student will be responsible for any additional costs associated with travel.

Literature (LIT)

Courses

LIT 094 PCE Non-credit LIT Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

LIT 110 Intro to Lit
Credits: 3
Term: (F, S)
Core Class: Humanities
This course provides the student an opportunity to study the three major literary forms – fiction, poetry, and drama – including examples of works from several time periods. Selections will include works by and about minorities and women.

LIT 270 Film and Literature
Credits: 3
Term: (S)
Prerequisite: WRIT 095 with a grade of C- or higher, or qualifying placement score within the past 3 years.
Core Class: Humanities
Focuses on modern and contemporary novels, plays, short stories, and other texts, which have been adapted to film. Emphasizes written and visual literacy.

LIT 291 Special Topics-Literature
Credits: 3
Term: (Based on sufficient demand)
Core Class: Humanities
This course provides the student an opportunity to study major literary forms including fiction, poetry, memoir, creative non-fiction, and drama ranging from a variety of literary movements and time periods. Selections may include works focused on a specific author, genre, theme, country, or historical period, e.g. science fiction, Irish literature, Western literature, short fiction, etc.

Machining and Manufacturing (MCH)

Courses

MCH 130 Machine Shop
Credits: 3
Term: (S)
Prerequisite: ETEC 101, ELCT 120, NRGY 120, NRGY 130 and M 105, or M 121, or M 151, or M 171 with a C- or higher.
This course includes an emphasis on shop and work area safety. Instruction covers standard shop work, such as measurement, layout, basic hand tools, drills, drill presses, and taps and dies. Use of a pedestal grinder will also be covered. Work assignments incorporate projects requiring use of the above machines, tooling, and emphasize safety.

Mathematics (M)

Courses

M 065 Pre-Algebra
Credits: 4
Term: (F, S, Su based on sufficient demand)
Prerequisite: Qualifying placement score within the past 3 years
Basic concepts relating to fractions, decimals, ratios, proportions, percent, simple equations, topics of signed numbers, and 1-variable linear equations are offered as a review and/or preparation for further studies in mathematics.

M 090 Introductory Algebra
Credits: 3
Term: (F, S, Su)
Prerequisite: M 065 with a grade of B- or higher or qualifying placement score within the past 3 years
Introductory Algebra initiates development in students' ability to organize thought processes and systematically solve problems while preparing students for studies in other courses. Course emphasis includes manipulation of variables, exponential applications, introduction to and factoring of polynomials, solving equations, systems of equations, and radicals. This course is intended for students who have not studied algebra but have a firm background in basic mathematics or who wish it as a review.

M 094 PCE Non-Credit Math Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

M 095 Intermediate Algebra
Credits: 3
Term: (F, S, Su)
Prerequisite: M 090 with a grade of C- or higher, or a qualifying placement score within the past 3 years
This course offers a review of elementary algebra with further emphasis on systems of equations, determinants, systems of inequalities, rational expressions, radical expressions, complex numbers, quadratic equations, and exponential and logarithmic functions.

M 105 Contemporary Mathematics
Credits: 3
Term: (F, S, Su)
Prerequisite: M 090 with a grade of C- or higher, or a qualifying placement score within the past 3 years; a grade of 70% or better is required in each module of M 098 to satisfy the prerequisite for M 105
Core Class: Mathematics
An introduction to mathematical ideas and their impact on society. Intended for students wishing to satisfy the general education mathematics requirement.

M 120 Mathematics with Health Care Applications
Credits: 3
Term: (F, S)
Prerequisite: M 090 with a C- or higher, or qualifying placement score within the past 3 years.
This course is designed to provide students with a solid mathematical foundation necessary to succeed in a health care profession. This course will review algebra, systems of measurement, medication and syringe calculations, ratio and proportions, calculations for IV therapy, basic statistics, and Ionic solutions and pH calculations.

M 121 College Algebra
Credits: 3
Term: (F, S, Su)
Prerequisite: M 095 with a C- or higher or qualifying placement score within the past 3 years; a grade of 70% or better is required in each module of M 098 to satisfy the prerequisite for M 121
Core Class: Mathematics
This course presents concepts, principles and methods of college-level algebra. Topics to be covered include polynomial, rational, radical, exponential, and logarithmic functions and their graphs, and real and complex numbers.

M 135 Mathematics for K-8 Teachers I
Credits: 4
Term: (F)
Prerequisite: M 095 with a C- or higher, or qualifying placement score within the past 3 years; a grade of 70% or better is required in each module of M 098 to satisfy the prerequisite for M 135
An introduction to problem solving, sets, rational and irrational numbers, operations, functions, numeration systems as mathematical structures, and introducing number theory for prospective elementary school teachers.

M 136 Mathematics for K-8 Teachrs II
Credits: 4
Term: (S)
Prerequisite: M 135 with a C- or higher
Introductory coordinate geometry, constructions, congruence and similarity, concepts of measurement, problem solving, probability, and statistics for prospective elementary school teachers.

M 140 College Math for Healthcare
Credits: 3
Term: (F, S)
Prerequisite: M 095 with a C- or higher or C- or higher in all five modules of M098 or or qualifying placement score within the past 3 years.
Core Class: Mathematics
This course is designed to provide students with a solid mathematical foundation necessary to succeed in a healthcare profession. This course will review algebra, systems of measurement, ratio and proportions, basic probability and statistics concepts, and Ionic solutions and pH calculations. This course will apply mathematical reasoning and problem solving as it applies to the healthcare field and is a suitable prerequisite for STAT 216.

M 151 Precalculus

Credits: 4

Term: (F based on sufficient demand, S)

Prerequisite: M 121 with a grade of C- or higher, or qualifying placement score within the past 3 years

Core Class: Mathematics

This course prepares students for calculus. It covers polynomial, rational, exponential, logarithmic and trigonometric functions from an algebraic and a graphical perspective including solving related equations, inequalities and applications. Inverse functions, conics, polar coordinates and equations, parametric equations, and trigonometric laws and identities will also be covered.

M 161 Survey of Calculus

Credits: 4

Term: (currently not offered)

Prerequisites: M 121 with grade of C- or higher, or qualifying placement score within the past 3 years

Core Class: Mathematics

A survey of basic calculus including limits, differentiation, and integration with applications to business, biology and social science problems.

M 171 Calculus I

Credits: 4

Term: (F, S based on sufficient demand)

Prerequisites: M 151 with grade of C- or higher, or qualifying placement score within the past 3 years

Core Class: Mathematics

Functions, elementary transcendental functions, limits and continuity, differentiation, applications of the derivative, and curve sketching studied.

M 172 Calculus II

Credits: 4

Term: (F)

Prerequisite: M 171 with a grade of C- or higher

Integration theory, methods of integration, applications of the integral, Taylor's theorem, infinite sequences, and series are studied.

M 191A Special Topics: Math for Carp

Credits: 3

Term: (Currently not offered)

Prerequisite: Qualifying placement score within the past 3 years

Basic concepts of fractions, decimals, ratios, measurement, and geometry are offered in conjunction with applications revolving around carpentry and construction on each topic.

M 191B Special Topics: Math for Weld

Credits: 3

Term: (F, S, Su)

Prerequisite: Qualifying placement score within the past 3 years

This course reviews fundamental mathematical operations and explains their applications to the field of welding. Course topics will include: decimal and fraction operations and conversions, the metric and English systems of measurement, and basic geometry as applied to common shapes and forms. Reading and using various measurement tools, including standard and metric rulers, tape measures, and the architect's and engineer's scales will also be covered.

M 273 Multivariable Calculus

Credits: 4

Term: (S)

Prerequisite: M 172 with a grade of C- or higher

Core Class: Mathematics

Topics in two and three dimensional geometry. Manipulation and application of vectors. Functions of several variables, contour maps, graphs, partial derivatives, gradients, double and triple integration, vector fields, line integrals, surface integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem.

M 274 Intro to Differential Equation

Credits: 4

Term: (S based on sufficient demand)

Prerequisites: M 172 with a grade of C- or higher

An introduction to qualitative, quantitative, and numerical methods for ordinary differential equations. Topics include modeling via differential equations, linear and nonlinear first order differential equations and systems, elementary phase plane analysis, forced oscillations, and Laplace transform techniques.

Music (MUSI)

Courses

MUSI 094 PCE Non-Credit MUSI Course

CEUs: 0-6

Term: (Based on sufficient demand)

Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

MUSI 101 Enjoyment of Music

Credits: 3

Term: (F, S)

Core Class: Fine Arts

This course is a comprehensive introduction to the theory, history, and literature of music of Western Civilization. The course examines musical styles through several time periods and is designed to develop the students' aural acuity as well as their intellectual understanding of music as an important contribution to Western culture.

MUSI 103 Fundamntls of Musical Creation

Credits: 3

Term: (F, S)

Core Class: Fine Arts

Designed for the student with little or no musical background, this course introduces the fundamental elements of music reading and notation, including note and rhythmic reading, scales, intervals, and chords.

MUSI 105 Music Theory I

Credits: 3

Term: (Currently not offered)

Corequisite: MUSI 140

This is a course that teaches the fundamentals of music theory (meter, note values, rests, intervals, major scales, circle of fifths, chord construction, minor scales, basic harmonic progression, whole-tone scales and modes).

MUSI 106 Music Theory II
Credits: 3
Term: (Currently not offered)
Prerequisite: MUSI 105, MUSI 140
Corequisite: MUSI 141
This course is a continuation of MUSI 105, which teaches the fundamentals of music theory (meter, note values, rests, intervals, major scales, circle of fifths, chord construction, minor scales, basic harmonic progression, whole-tone scales and modes). 202050.

MUSI 112 College Choir
Credits: 1
Term: (F, S)
The College Choir is a mixed voice (SATB) choral ensemble designed for students who wish to expand their musical experience. The choral ensemble will perform a range of choral music encompassing a variety of musical periods and styles. The final grade in this course is dependent upon attendance, participation, performance and completion of the written assignments. This course may be used as a concentration course for students earning an A.A. and as a non-concentration course elective for students earning an A.S. This course may be repeated four times for college credit.

MUSI 135 Keyboard Skills I
Credits: 1
Term: (F)
This course focuses on functional keyboard skills such as scales, sight reading, harmonization, transposition, and literature. A working understanding of musical notation is needed in order to succeed in this course. Intended to be taken concurrently with MUSI 105 and MUSI 140, but open to interested non-majors with a musical background.

MUSI 136 Keyboard Skills II
Credits: 1
Term: (S)
Prerequisite: MUSI 135
This course, a continuation of MUSI 135, focuses on funtional keyboard skills such as scales, sight reading, harmonization, transposition, and literature. Intended to be taken concurrently with MUSI 106 and MUSI 141, but open to interested non-majors with a musical background.

MUSI 140 Aural Perception I
Credits: 2
Term: (F)
Corequisite: MUSI 105
This course builds aural skills through the use of singing and dictation to supplement MUSI 105.

MUSI 141 Aural Perception II
Credits: 2
Term: (S)
Prerequisite: MUSI 105, MUSI 140
Corequisite: MUSI 106
This course, a continuation of MUSI 140 builds aural skills through the use of singing and dictation to supplement MUSI 106.

MUSI 195 Applied Music I
Credits: 1
Term: (F, S, and Su based on sufficient demand)
Prerequisite(s): Instructor's Consent Students currently taking private music lessons (for example: brass, guitar, piano, voice, strings, woodwind, etc.) may be able to earn college credit. A student may take a variety of music lessons, but a total of four credits only may be earned for this course. Students receiving financial aid or veterans' benefits should check with the Financial Aid office before repeating this course. (Intermittently).

MUSI 203 American Popular Music
Credits: 3
Term: (S, Su based on sufficient demand)
Core Class: Fine Arts
This course will survey musical idioms, styles and trends developed in the United States from 1492 to the present. Included are folk, sacred, country and western, blues, pop, rock and roll, jazz, and fine art music.

MUSI 205 Music Theory III
Credits: 3
Term: (Currently not offered)
Corequisite: MUSI 240
Prerequisitie: MUSI 106, MUSI 141 This course is a continuation of MUSI 106, which teaches the fundamentals of music theory (meter, note values, rests, intervals, major scales, circle of fifths, chord construction, minor scales, basic harmonic progression, whole-tone scales and modes). This course focuses on the harmonic language of the Romantic era, including jazz and 18th century counterpoint. An introduction to music notation for computer is included. 202050.

MUSI 206 Music Theory IV
Credits: 3
Term: (S)
Corequisite: MUSI 241
Prerequisitie: MUSI 205, MUSI 240 This course is a continuation of MUSI 205, which teaches the fundamentals of music theory (meter, note values, rests, intervals, major scales, circle of fifths, chord construction, minor scales, basic harmonic progression, whole-tone scales and modes). This course focuses on the harmonic language of the Romantic era, including jazz and 18th century counterpoint. An introduction to music notation for computer is included. 202050.

MUSI 207 World Music (equiv to 307)
Credits: 3
Term: (F, Su based on sufficient demand)
Core Class: Fine Arts
World Music introduces the music of varied cultures of the world by presenting the music within its historical and societal contexts. The course includes topics and musical surveys from Asia, Africa, the Americas and Europe.

MUSI 240 Aural Perception III
Credits: 2
Term: (F)
Corequisite: MUSI 205
Prerequisitie: MUSI 106 and MUSI 141 This course builds aural and vocal skills through the use of singing and dictation to supplement MUSI 205. 202050.

MUSI 241 Aural Perception IV
Credits: 2
Term: (S)
Corequisite: MUSI 206
Prerequisitie: MUSI 205, MUSI 240 This course builds aural and vocal skills through the use of singing and dictation to supplement MUSI 206. 202050.

Native American Studies (NASX)

Courses

NASX 094 PCE Non-Credit NASX Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

NASX 105 Introduction to Native American Studies
Credits: 3
Term: (F, S, Su)
Core Class: Cultural Diversity and History
A survey of traditional and contemporary American Indian cultures, the historical development of the unique relationship between the federal government and Indian nations, and current issues among Indian peoples.

NASX 204 Intro to NA Beliefs & Philsphy
Credits: 3
Term: (F based on sufficient demand, S, Su)
Core Class: Cultural Diversity
This course will examine, explore, and describe selected Native American religious systems focusing on origins, world views, religious beliefs, traditions and ceremonies, sacred songs and dance, and the way they have been affected by western civilization. A major focus will be on the Northern Plains People.

NASX 232 MT Ind Cltrs/Hstry/Iss (=332)
Credits: 3
Term: (Currently not offered)
Core Class: Cultural Diversity
This course focuses on the interactions of Montana's American Indians in socioeconomic structures based on historical and current perspectives including cultural world views, religion, reservations, treaties, vested rights, sovereignty, contemporary tribal governments, and socioeconomic problems.

NASX 240 Native American Lit (=to 340)
Credits: 3
Term: (S)
Core Class: Cultural Diversity
This course will explore Native American Literature, especially the poetry, novels and fiction written in the late nineteenth and twentieth centuries. Myths, legends, and songs from the oral tradition will be examined where relevant. Students will also learn the rudiments of a literary vocabulary.

Networking Technology Systems (NTS)

Courses

NTS 094 PCE Non-Credit NTS Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

NTS 104 CCNA 1: Intro to Networks
Credits: 3
Term: (F)
Prerequisite or Corequisite: CSCI 105 or consent of instructor
Introduces the architecture, structure, functions, components, and models of the Internet and computer networks. The principles of IP addressing and fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

NTS 105 CCNA 2: Routing & Switching
Credits: 3
Term: (F)
Prerequisite OR Corequisite: NTS 104
Describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.

NTS 204 CCNA 3: Scaling Networks
Credits: 3
Term: (S)
Prerequisite: NTS 104 and NTS 105
Describes the architecture, components, and operations of routers and switches in a large and complex network. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network.

NTS 205 CCNA 4: Connecting Networks
Credits: 3
Term: (S)
Prerequisite: NTS 104 and NTS 105
Corequisite: NTS 204
Discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students also develop the knowledge and skills needed to implement IPSec and virtual private network (VPN) operations in a complex network.

Nursing (NRSG)

Courses

NRSG 130 Fundamentals of Nursing
Credits: 3
Term: (S)
Prerequisite: Must be admitted to the PN Program.
This course introduces learners to knowledge, basic clinical skills and attitudes essential for the nursing role. The course approach presents complex concepts and behaviors of nursing roles within the context of the nursing process and multicultural, holistic healthcare. Emphasis is on theoretical and practical concepts of nursing skills required to meet the needs of clients in a variety of settings.

NRSG 131 Fundamentals of Nursing Lab
Credits: 3
Term: (S)
Prerequisite: Must be admitted to the PN Program.
An integration of clinical skills performance using healthcare scenarios which focus on implementation of the nursing process, clinical decision making, and caring interventions in collaboration with the interdisciplinary teams in a variety of healthcare settings.

NRSG 135 Pharmacology for Practical Nurses
Credits: 3
Term: (S)
Prerequisite: Must be admitted to the PN Program.
This course introduces the student to the knowledge needed to provide safe nursing care to clients across the life span in the administration of medications. Content covered includes the basic pathophysiology of common disease processes, as well as the basic prinicples of pharmacology such as pharmacokinetics, pharmacodynamics, medication interactions, and potential adverse medication reactions. The emphasis is on patient-centered care utilizing the nursing process and incorporating evidence based practice.

NRSG 136 Pharmacology for Practical Nurses Lab
Credits: 1
Term: (S)
Prerequisite: Must be admitted to the PN Program.
This course integrates the knowledge of safe medication administration into a practical laboratory environment. This includes dosage calculation, and administration of medications through a variety of appropriate routes considering the Licensed Practical Nurse scope of practice.

NRSG 140 Adult Health Nursing
Credits: 4
Term: (Su)
Prerequisite: Must have completed the first semester of PN courses with C or higher.
The course is designed to build upon the knowledge acquired in Fundamentals of Nursing. The focus is on safe, effective care environments, health promotion and maintenance, and psychosocial and physiological integrity of adults who are experiencing health interruptions in well-defined practice settings. Principles of pharmacology, cultural competency, gerontology, and nutrition are integrated throughout the course.

NRSG 141 Adult Health Nursing Clinical
Credits: 2
Term: (Su)
Prerequisite: Must have completed the first semester of PN courses with C or higher.
An integration of clinical experiences in well-defined practice settings focusing on implementation of the nursing process, professional behaviors, communication, clinical decision making, caring interventions and collaboration in interdisciplinary practice to prevent, promote, maintain and restore basic health.

NRSG 142 Nursing Care of Women and Children
Credits: 3
Term: (Su)
Prerequisite: Must have completed the first semester of PN courses with C or higher.
This course introduces the student to the knowledge needed to provide safe nursing care to the female client and family with regards to reproductive issues, including perinatal. Also included is the child client and family with regards to normal growth and development as well as common disease processes. Psychosocial aspects of care, legal and ethical issues, and cultural beliefs will be incorporated throughout. The emphasis is on client and family centered care utilizing evidence based practice, and effective interpersonal communication skills while functioning within an interdisciplinary team environment.

NRSG 143 Nursing Care of Women and Children Clinical
Credits: 1
Term: (Su)
Prerequisite: Must have completed the first semester of PN courses with C or higher.
This course integrates the knowledge of care for women, children, and families into a practical and observational clinical environment.

NRSG 148 Leadership Issues for Practical Nurse
Credits: 2
Term: (Su)
Prerequisite: Must have completed the first semester of PN courses with C or higher.
This course explores the legal, ethical, and moral components of Practical Nursing leadership in providing safe, relationship centered care. The concepts of accountability, collaboration, effective communication, conflict management skills, critical thinking, delegation, principles of human caring, and prioritization are emphasized throughout the course. Application of concepts in the rural environment are included.

NRSG 149 Leadership Issues for Practical Nurse Clinical
Credits: 1
Term: (Su)
Prerequisite: Must have completed the first semester of PN courses with C or higher.
This clinical integrates theory from NRSG 148 Leadership Issues for Practical Nurse and the practice of basic nursing skills in the Practical Nurse Scope of Practice. Preceptor based experiences are selected based on nursing needs in the local and rural communities with a focus on student growth in the knowledge, skills, and attitudes of nursing leadership needed to provide high quality, holistic, safe nursing care.

NRSG 152 Gerontology and Community Nursing
Credits: 2
Term: (S)
Prerequisite: Must be admitted to the PN Program.
This course presents the knowledge, skills, and attitudes needed to provide high quality holistic nursing care for the geriatric client, as well as other vulnerable populations in the local and rural communities. The safe application of the nursing process in a community based, client specific population is stressed. The use of interdisciplinary relationship centered care to promote clients optimal well-being in dealing with common acute and chronic health issues is emphasized.

NRSG 153 Gerontology and Community Nursing Clinical
Credits: 2
Term: (S)
Prerequisite: Must be admitted to the PN Program.
This clinical integrates theory from NRSG 152 Gerontology and Community Nursing and the practice of basic nursing skills in the Practical Nurse Scope of Practice. The clinical emphasis is for the student to promote the highest level of health and wellness for common acute and chronic health issues in the geriatric and other vulnerable populations in the local and rural communities.

NRSG 230 Nursing Pharmacology
Credits: 3
Term: (F)
Prerequisite: Must be admitted to the RN Program.
This course provides the student with an overview of pharmacology with an emphasis of the study of effects, interactions, and nursing considerations of pharmacologic agents on the patient population across the lifespan. The course also explores the ethical, legal, cultural and age implications of pharmacologic therapy across diverse populations and the lifespan.

NRSG 231 Nursing Pharmacology Lab
Credits: 2
Term: (F)
Prerequisite: Must be admitted to the RN Program.
An integration of lab experiences focusing on the basic principles in providing safe medication administration, including intravenous therapy across diverse populations and the lifespan.

NRSG 232 Foundations of Nursing
Credits: 3
Term: (F)
Prerequisite: Must be admitted to the RN Program.
This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the liefespan in a safe, legal, and ethical manner using the nursing process. Students learn concepts and skills necessary for maintaining standard precautions, physical, psychological and nutritional safety, along with skills needed in therapeutic interventions. Students are introduced to the concepts of professional nursing, patient needs, safety, communication, teaching/learning, critical thinking, ethical-legal, rural nursing, cultural and ethnic diversity, and interdisciplinary patient-centered care.

NRSG 233 Foundations of Nursing Lab
Credits: 3
Term: (F)
Prerequisite: Must be admitted to the RN Program.
An integration of lab experiences focusing on the psychomotor nursing skills needed to assist individuals in meeting basic human needs. Application of the nursing process and hands-on learning experiences for nursing skills, patient assesments, nutritional safety, and basic therapeutic skills are practiced and demonstrated.

NRSG 234 Adult Nursing I
Credits: 3
Term: (S)
Prerequisite: Must have completed the first semester of RN program with C or higher: BIOH 211, NRSG 230, NRSG 231, NRSG 232 and NRSG 233
This course builds upon the knowledge and skills acquired in Foundations of Nursing, and places them in the context of patient-centered care. Social, cultural, ethical, rural and legal issues, end-of-life and palliative care across diverse adult populations are introduced. Health promotion and prevention throughout the adult lifespan, with specific focus on the geriatric patient, is emphasized. Normal aging, health alterations associated with aging, and their implications are addressed.

NRSG 235 Adult Nursing I Clinical
Credits: 2
Term: (S)
Prerequisite: Must have completed the first semester of RN program with C or higher: BIOH 211, NRSG 230, NRSG 231, NRSG 232 and NRSG 233
This clinical introduces the student to nursing practice in care of the stable adult patient. This includes care of the adult in a variety of health care settings. Students utilize the nursing process to develop individualized plans of care to prevent illness, promote wellness and maintain or restore health based on patient needs and evidence based practice.

NRSG 236 Health and Illness of Maternal Nursing
Credits: 2
Term: (S)
Prerequisite: Must have completed the first semester of RN program with C or higher: BIOH 211, NRSG 230, NRSG 231, NRSG 232 and NRSG 233
In this course, the student applies holistic concepts to the professional nursing care of the childbearing family including conception, prenatal, intrapartum, postpartum and newborn care. Content addresses health and complex alterations, reproduction and menopause, nutrition, therapeutic communication, ethical, legal, cultural and evidenced-based practice.

NRSG 237 Health and Illness of Maternal Nursing Clinical
Credits: 1
Term: (S)
Prerequisite: Must have completed the first semester of RN program with C or higher: BIOH 211, NRSG 230, NRSG 231, NRSG 232 and NRSG 233
This clinical introduces the student to the role of the registered nurse in the care of the childbearing family. Students will utilize the nursing process to assess and develop individualized plans of care for mother and infant. Emphasis will be places on patient education to promote healthy mother infant and childbearing family bonding.

NRSG 244 Adult Nursing II
Credits: 3
Term: (F)
Prerequisite: Must have completed the second semester of RN program with C or higher: NRSG 234, NRSG 235, NRSG 236, NRSG 237 and NRSG 256
This course builds upon previous knowledge of the nursing process and care of the patient experiencing acute and chronic disease alterations. Pathophysiologic processes are discussed as related to evidence-based nursing interventions. Students apply the nursing processes, nutritional therapy, and pharmacological therapy utilizing interdisciplinary practice to promote, maintain, and restore health across the adult lifespan.

NRSG 245 Adult Nursing II Clinical
Credits: 2
Term: (F)
Prerequisite: Must have completed the second semester of RN program with C or higher: NRSG 234, NRSG 235, NRSG 236, NRSG 237 and NRSG 256
In this clinical experience the student will provide care for individuals and families experiencing acute health alterations, and those associated with chronic disease processes. Students use the nursing process to systematically analyze information to plan and implement nursing interventions which are individualized and founded on evidence-based practice.

NRSG 246 Health and Illness of Child and Family Nursing
Credits: 2
Term: (F)
Prerequisite: Must have completed the second semester of RN program with C or higher: NRSG 234, NRSG 235, NRSG 236, NRSG 237 and NRSG 256
In this course, the student applies holistic concepts to the professional nursing care of children and their families in health, illness, end-of-life and palliative care. Emphasis is placed on incorporating growth and developmental principles to facilitate positive health outcomes through health promotion, nutrition and disease prevention.

NRSG 247 Health and Illness of Child and Family Nursing Clinical
Credits: 1
Term: (F)
Prerequisite: Must have completed the second semester of RN program with C or higher: NRSG 234, NRSG 235, NRSG 236, NRSG 237 and NRSG 256
In this clinical, students will utilize the nursing process, to provide nursing care of healthy and high-risk pediatric populations and their families experiencing disruptions in bio/psycho/social/cultural and spiritual needs. Emphasis is also placed on health promotion, health maintenance, and therapeutic communication.

NRSG 254 Mental Health Concepts
Credits: 3
Term: (F)
Prerequisite: NRSG 234, NRSG 235, NRSG 236, NRSG 237, and NRSG 256
In this course, the student focuses on the nursing concepts utilizing basic human needs, developmental theory, nursing process, therapeutic communication, and nursing interventions to promote and maintain health for patients and families experiencing mental-health issues. The student will examine patient responses to stressors across the lifespan. Tasks of biological-behavioral concepts in the psychosocial nursing care, rural and cultural impacts will be addressed.

NRSG 255 Mental Health Concepts Clinical
Credits: 1
Term: (F)
Prerequisite: Must have completed the second semester of RN program with C or higher: NRSG 234, NRSG 235, NRSG 236, NRSG 237 and NRSG 256
This clinical applies the knowledge of psychiatric and mental health nursing. Students will have mental health focused clinical experiences in a variety of settings.

NRSG 256 Pathophysiology
Credits: 3
Term: (S)
Prerequisite: Must have completed the first semester of RN program with C or higher: BIOH 211, NRSG 230, NRSG 231, NRSG 232 and NRSG 233
This course introduces the student to the basic principles and processes of pathophysiology including cellular communication, genes and genetic disease, forms of cellular injury, nutrition, fluid and electrolyte/acid base balance, immunity, stress coping and illness, and tumor biology. Pathophysiology of the most common alterations according to body systems will be discussed as well as the latest developments in research and patient-centered nursing interventions.

NRSG 259 Adult Nursing III
Credits: 3
Term: (S)
Prerequisite: Must have completed the third semester of RN program with C or higher: NRSG 244, NRSG 245, NRSG 246, NRSG 247, NRSG 254 and NRSG 255
This course expands on the nursing role in care of patients with complex health alterations. Students utilize evidence-based, interdisciplinary interventions to meet patient and family needs.

NRSG 260 Adult Nursing III Lab
Credits: 1
Term: (S)
Prerequisite: Must have completed the third semester of RN program with C or higher: NRSG 244, NRSG 245, NRSG 246, NRSG 247, NRSG 254 and NRSG 255
This course prepares the student to carry out complex nursing interventions across the lifespan. Topics covered include central venous therapy, parenteral nutrition, hemodynamic monitoring, advanced airway/ventilator support, fetal heart monitoring, intercranial pressure monitoring, IV medication administration, high risk IV infusions, blood/blood product administration, concious sedation, advanced wound care, etc.

NRSG 261 Adult Nursing III Clinical
Credits: 2
Term: (S)
Prerequisite: Must have completed the third semester of RN program with C or higher: NRSG 244, NRSG 245, NRSG 246, NRSG 247, NRSG 254 and NRSG 255
This clinical experience focuses on application of the nursing process and utilization of information to provide comprehensive nursing care to the acutely ill patient experiencing complex health alterations in a variety of settings. Emphasis is placed on prioritization of care and collaboration with other members of the interdisciplinary team to ensure optimal patient care.

NRSG 266 Managing Client Care for the RN
Credits: 2
Term: (S)
Prerequisite: Completion of third semester of the Registered Nurse program. In this course students examine concepts of leadership and management of emphasizing prioritization, delegation, and supervision of nursing care for patients across the lifespan. Topics also include communication techniques, legal and ethical issues, care of the culturally diverse patient, and utilizing change theory. Healthcare policy, finance, and regulatory environment issues are explored and applied to planning, collaborating and coordinating care across the continuum.

NRSG 267 Managing Client Care for the RN Clinical
Credits: 2
Term: (S)
Prerequisite: Must have completed the third semester of RN program with C or higher: NRSG 244, NRSG 245, NRSG 246, NRSG 247, NRSG 254 and NRSG 255
This precepted clinical experience focuses on principles of nursing leadership and management in a variety of settings. Students apply knowledge to provide culturally competent, holistic interventions within the professional nursing role for individuals, communities, and families across the lifespan.

Nutrition and Dietetics (NUTR)

Courses

NUTR 094 PCE Non-Credit NUTR Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

NUTR 221 Basic Human Nutrition
Credits: 3
Term: (F, S)
Core Class: Natural Science
The purpose of this course is to understand the science of human nutrition, apply nutrition and food concepts to the individual during critical stages of the life cycle, and demonstrate the consumer skills needed to achieve optimal nutritional status.

Philosophy (PHL)

Courses

PHL 101 Introduction to Philosophy
Credits: 3
Term: (F, S, Su based on sufficient demand)
Core Class: Humanities
An introduction to philosophy through examination of the thought of selected great philosophers or of traditional positions on classical philosophical problems.

PHL 110 Introduction to Ethics
Credits: 3
Term: (F, S, Su based on sufficient demand)
Core Class: Humanities
This course introduces ethical theory through an examination of the major schools and the fundamentals of decision-making. It examines general moral theory and applies this theory to moral problems of historical and current interest.

PHL 221 Intro Philosophy &Biomed Ethcs
Credits: 3
Term: (S)
This course provides a broad overview of the field of biomedical ethics. Topics discussed will include issues such as death and dying, human and animal experimentation, abortion, confidentiality, AIDS, the allocation of medical resources, as well as an examination of the codes of ethics of various health professions.

Photography (PHOT)

Courses

PHOT 094 PCE Non-Credit PHOT Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

PHOT 154 Exploring Digital Photography
Credits: 3
Term: (S)
Core Class: Fine Arts
This course covers fundamental concepts and techniques of photography, including aesthetics and technical aspects as a basis for creating a photographic image. The student will learn to use the camera, practice digital processing, and examine composition. Students will be introduced to the techniques of digital photography and computer imaging. Students will learn how to use photography as a creative tool for self-expression and still documentation.

Physics (PHSX)

Courses

PHSX 105 Fund of Physical Science w/Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su)
Core Class: Natural Science
This course is an introduction to the fundamental behavior of energy and matter. It is divided into two sections: physics and chemistry. Topics discussed in the physics portion include: scientific measurement; motion; work and energy; heat and temperature; and waves (including sound and light). Topics discussed in the chemistry portion include: atomic structure; the periodic table of elements; chemical bonding and nomenclature; chemical formulas and equations; and solutions. Several lab experiments relating to some of these topics will be performed. No prior work in physics or chemistry is assumed for this course, although in order to have the greatest success in this course, it is highly recommended that students possess strong algebra skills.

PHSX 205 College Physics I w/Lab
Credits: 4 (3 Lecture, 1 Lab)
Terms: (S)
Prerequisite: High school trigonometry, M 121 with C- or higher, or qualifying placement score within the past 3 years
Core Class: Natural Science
First semester of sequence. Topics include kinematics and dynamics of linear and rotational motion, work and energy, impulse and momentum, and fluids. Students will not receive credit for this course if they have previously passed PHSX 220.

PHSX 220 Physics I w/Lab
Credits: 4 (3 Lecture, 1 Lab)
Terms: (F)
Prerequisite OR Corequisite: M 171 or qualifying placement score within the past 3 years
Core Class: Natural Science
First semester of a three-semester sequence primarily for engineering and physical science students. Covers topics in mechanics (such as motion, Newton's laws, conservation laws, work, energy, systems of particles, and rotational motion) and in mechanical waves (such as oscillations, wave motion, sound, and superposition).

Political Science (PSCI)

Courses

PSCI 094 PCE Non-Credit PSCI Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

PSCI 210 Intro to American Government
Credits: 3
Term: (F, S, Su)
Core Class: Social Sciences
This course examines the major institutions of national government and politics. Special emphasis is placed on the Constitution and other political rules of the game as shapers of public consciousness and government policy.

Psychology (PSYX)

Courses

PSYX 094 PCE Non-Credit PSYX Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

PSYX 100 Introduction to Psychology
Credits: 3
Term: (F, S, Su)
Core Class: Social Sciences
This course is an introduction to the nature and scope of the field of psychology as a scientific and human endeavor. Major topics include: historic development of the field; biological and developmental processes; consciousness and perceptions; learning, remembering, and thinking; motivation and emotion; personality and individuality; social behavior; normal stress and coping; and abnormal psychology and treatment methods.

PSYX 230 Developmental Psychology
Credits: 3
Term: (F, S, Su)
Core Class: Social Sciences
This course presents the study of human development throughout the lifespan. Study will include: the three domains of development (physical, cognitive and psychosocial); major theories; the influence of genetics; and prenatal development. The overall framework of the course is chronological dividing the lifespan into seven parts: infancy; early childhood; middle childhood; adolescence; early adulthood; middle adulthood; and late adulthood. This organization emphasizes the whole person and assists students to appreciate the ways in which the three domains of development continuously interact.

PSYX 240 Fundamentals of Abnormal Psychology
Credits: 3
Term: (F)
Prerequisite: PSYX 100
This course is an introduction to the scientific study of abnormal behavior to try to describe, predict, and explain psychopathology. Topics will include classification schemes, the major disorders, and appropriate therapies.

PSYX 260 Fundamentals of Social Psychology
Credits: 3
Term: (S)
Prerequisite: PSYX 100
The study of human behaviors as social beings, and how social situations affect individual behavior is the basis of this course. Topics include aggression, prejudice, conformity, communications, and a variety of social experiences.

Reading (RD)

Courses

RD 101 College Reading Strategies
Credits: 2
Term: (F, S)
Provides instruction and practice in applying active reading strategies, improving comprehension in content areas, demonstrating critical thinking skills in responding to individual content area reading assignments, and increasing vocabulary to improve academic success. RD 101 prepares students for the demands of college-level reading.

Sociology (SOCI)

Courses

SOCI 094 PCE Non-credit SOCI Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

SOCI 101 Introduction to Sociology
Credits: 3
Term: (F, S, Su)
Core Class: Social Sciences
This course offers exposure to fundamentals, perspectives, and terminology of sociology. It includes the study of society and human interaction as it is shaped by social structure and culture. Students also survey the interdependence of social institutions including family, religions, economics, politics, education and occupation, as well as population changes, social differentiation, inequality, deviance, conformity, modernization, social order, and social changes.

Statistics (STAT)

Courses

STAT 094 PCE Non-Credit STAT Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

STAT 216 Introduction to Statistics
Credits: 4
Term: (F, S, Su based on sufficient demand)
Prerequisite: M 095 (or M 105 or M 145 or M 120) with a grade of C- or higher, or qualifying placement score within the past 3 years; a grade of 70% or better is required in each module of M 098 to satisfy the prerequisite for STAT 216
Core Class: Mathematics
This course presents concepts, principles, and methods of statistics from two perspectives: descriptive and inferential. Statistical topics include organizing data, sampling, and measures of central tendency, probability, correlation, random variables, hypothesis testing, confidence intervals, and inference.

Sustainable Energy (NRGY)

Courses

NRGY 094 PCE Non-Credit NRGY Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

NRGY 101 Intro to Sustainable Energy
Credits: 3
Term: (S)
Prerequisite: ETEC 220, ELCT 250, ETEC 245, & ETEC 231 with a C- or higher.
This course provides an overview of sustainable energies including solar, wind, hydro, biomass, and geothermal. Students will learn the basic principles of each technology. Students will also investigate renewable resources and their associated technologies.

NRGY 110 Fundmtl Hydraul/Pneu Systems
Credits: 3
Term: (S)
Prerequisite: ETEC 101, ELCT 120, NRGY 120, NRGY 130, & M 105 or M 121, or M 151, or M 171 with a C- or higher.
This course introduces basic hydraulic concepts, formulas, and applications of hydraulic components used for directional, flow and pressure control of circuits. Students will identify and explain safety rules, precautions, test procedures, common components, and operating principles for hydraulic and pneumatic systems commonly found in the energy industry.

NRGY 120 Industrial Safety and Rigging
Credits: 3
Term: (F)
Prerequisite OR Corequisite: ETEC 101, NRGY 130, ELCT 120, and M 105, or M 121, or M 151, or M 171.
This course provides an overview of safe industrial practices and basic rigging techniques.

NRGY 130 Fundmtl of Mechanical Systems
Credits: 3
Term: (F)
Prerequisite OR Corequisite: ETEC 101, NRGY 120, ELCT 120 and M 105, or M 121, or M 151, or M 171.
This course covers energy industry mechanical systems at the component level. Topics covered include repairing a basic mechanical system, familiarity with basic tooling, and understanding gears and rotational relationships.

NRGY 210 Wind Technician Safety
Credits: 4
Term: (S)
Prerequisite: ETEC 220, ELCT 250, ETEC 245, & ETEC 231 with a C- or higher.
This course builds on the safety topics covered in the Industrial Safety and Rigging course and focuses on safety requirements and techniques common in wind energy technician jobs.

NRGY 230 Wind Turb Operations & Maint
Credits: 3
Term: (S)
Prerequisite: ETEC 220, ELCT 250, ETEC 245, & ETEC 231 with a C- or higher.
This course exposes students to real-world scenarios that may be encountered in the workplace. Practice of installation, operation, maintenance, troubleshooting, and repair of wind turbine electro-mechanical systems are all included in this course.

Welding (WLDG)

Courses

WLDG 094 PCE Non-Credit WLDG Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

WLDG 100 Intro to Welding Fundamentals
Credits: 3
Term: (F, S, others based on sufficient demand)
Basic welding processes of shielded metal arc welding (SMAW), flux core arc welding (FCAW) and gas metal arc (GMAW) welding are covered in the flat, horizontal, and vertical positions in a variety of joint configurations. The instruction is focused on students in trades courses, agriculture and and for exploration of welding in general. Instruction in the oxyfuel cutting processes and plasma cutting processes are also provided. Safe operation of equipment is covered and work is evaluated to industrial standards.

WLDG 110 Welding Theory I
Credits: 2
Term: (F)
Corequisite: WLDG 111 or consent of instructor.
In Welding I, students will learn Welding Safety, Construction Site Safety, Intro to hand tools, Oxy-Fuel cutting (OFC), Base Metal Preparation, Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Joint-Fit Up and Alignment, Welding Position, Power Source Selection, and Terminology & Use of Measuring Devices. Students will also be introduced to and reinforce their knowledge of different materials and how they react to the high heat of the welding process. Student competency will be based upon module tests and skills demonstrated.

WLDG 111 Welding Theory I Practical
Credits: 4
Term: (F)
Corequisite: WLDG 110 or consent of instructor.
In Welding Practical I, students will apply Welding Safety, use Plasma Arc Cutting (PAC), Carbon Arc Cutting (CAC-A) processes to demonstrate proper joint fit up and alignment. The Gas Metal Arc Welding (GMAW) and Flux core Arc Welding (FCAW) will be used to make welds in all positions. Proper power source selection and set up will also be demonstrated.

WLDG 117 Blueprint Rdng & Weldng Symbls
Credits: 2
Term: (F)
Corequisite: WLDG 110
Drawings are used in industry as a means of communication between the designer and fabricators. Blueprints are a graphic or picture of the complex structure or product. Students will learn this complex language of symbols and lines as they pertain to the welding industry and be able to apply them.

WLDG 120 Welding Theory II
Credits: 2
Term: (S)
Prerequisite: Successful completion of Welding Tier I
Prerequisite OR Corequisite: WLDG 121
In Welding Theory II student will build on knowledge gained in previous courses and be introduced Shielded metal arc welding (SMAW), and Gas Tungsten Arc Welding (GTAW) on plate.

WLDG 121 Welding Theory II Practical
Credits: 3
Term: (S)
Prerequisite: Successful completion of Welding Tier I
Prerequisite OR Corequisite: WLDG 120
In Welding Theory II Practical students will apply Welding Safety, Use Oxy-Fuel cutting (OFC), Plasma Arc Cutting (PAC), Carbon Arc Cutting (CAC-A) processes use Shielded Metal Arc Welding (SMAW), and Gas Tungsten Arc Welding (GTAW) on plate, Joint-Fit Up and Alignment to make welds in all positions, and identify proper power source selection and set up.

WLDG 130 Intro to Structural Welding
Credits: 2
Term: (S)
Prerequisite: Successful Completion of Welding Tier I
Corequisite: WLDG 121
Students will learn the different types of structural steel and their applications. Students will apply print reading knowledge to design and draw a print for the part to be fabricated. Students will use fabrication and layout methods to fabricate the parts as designed.

WLDG 145 Fabrication Basics
Credits: 2
Term: (F)
Prerequisite: Completion of Welding Tier I
Prerequisite OR Corequisite: WLDG 117
Students will learn basic fabrication methods and tools. This knowledge will be applied to fabricate an object to given tolerances in accordance to a print supplied by the instructor.

WLDG 185 Welding Qualification Tst Prep
Credits: 1
Term: (S)
Prerequisite: Successful completion of Welding Tier I
Corequisite: WLDG 130
Students will gain further in depth knowledge of the welding codes and what is required for welder qualification tests. Students will practice and build skills to complete a limited thickness qualification test to an AWS welding code on plate.

WLDG 191 Special Topics: Welding Skills
Credits: 1-3
Term: (F, S, Su)
Prerequisite: Consent of Instructor
Students have the opportunity to develop a higher level of welding skills outside of the regular classroom with the supervision and advice of a welding instructor.

WLDG 192 Welding Skills Independent Study
Credits: 1-3 (1 to 6 credits, varies upon need)
Term: (Based upon sufficient demand)
This course is a Welding independent study.

WLDG 205 Applied Metallurgy
Credits: 1
Term: (F,S,Su)
Prerequisite: Successful completion of Welding Tier I
Prerequisite OR Corequisite: WLDG 185
Understanding what happens to metals during the welding process is essential to making sound welds. In this course the student will learn about the physical characteristics, mechanical properties, composition, and classification of common ferrous and non-ferrous metals. Various standard forms and structural shapes of metals are described as well as methods used to identify metals.

WLDG 209 Basic Pipe Welding
Credits: 2
Term: (S)
Prerequisite: Successful completion of Welding Tier I
Prerequisite OR Corequisite: WLDG 120
Student will learn the basics to fit and weld open root pipe joints with SMAW, GMAW, FCAW, & GTAW on carbon steels. Students will apply this knowledge to complete pipe welds in 1G and 2G positions.

WLDG 212 Pipe Welding and Layout (integrated lab)
Credits: 4
Term: (F)
Prerequisite: Completion of Welding CAS or consent of instructor based on assessment.
The student will learn to fit and weld open root pipe joints with SMAW, GMAW, FCAW, & GTAW on carbon and stainless steels. Students will apply this knowledge to complete pipe welds in all positions.

WLDG 217 Advanced Blueprint
Credits: 2
Term: (S)
Prerequisite: Completion of Tier 3 Welding Courses
Students will design and draw a set of working prints to use for fabrication of a major project identified by the student and instructor.

WLDG 237 Aluminum Welding Processes
Credits: 4
Term: (S)
Prerequisite: Completion of Tier 3 Welding Courses
Students will gain knowledge of aluminum welding processes and procedures. Students will apply this knowledge to make welds on aluminum plate in a variety of positions to industry standard.

WLDG 245 Metal Fabrication Design and Construction
Credits: 5
Term: (S)
Prerequisite: Completion of Tier 3 Welding Courses
As a Capstone course students will apply knowledge learned in previous semesters to design and fabricate a welding project with a minimum of 20 hours of welding. Students will be required to estimate and supply the materials for their project.

WLDG 260 Repair & Maintenance Welding
Credits: 3
Term: (F)
Prerequisite: Completion of Welding Tier II or consent of instructor based on assessment.
Students will learn basic repair and maintenance techniques of various metals. Then apply those techniques to practical applications.

WLDG 280 Weld Testing Certification
Credits: 3
Term: (F)
Prerequisite: Completion of CAS Welding Courses
Students will gain further in depth knowledge of the welding codes and what is required for welder qualification tests. Students will practice and build skill to complete an unlimited thickness qualification test to a welding code.

WLDG 281 Weld Testing Certification Lab
Credits: 2
Term: (S)
Prerequisite: Completion of Tier 3 Welding Courses
Corequisite: WLDG 280
Students will gain further in depth knowledge of the welding codes and what is required for welding procedure qualification tests. Students will practice and build skill to complete and properly document an unlimited thickness qualification test to a welding code.

WLDG 298 Welding Internship
Credits: 3
Term: (F)
Prerequisite: Completion of Welding Tier II or consent of instructor based on assessment.
This is the final course that completes the student's curriculum for the Welding & Fabrication Tier 3 CTS. Students will pull together what they have learned in their previous classes and demonstrate their capabilities in preparation for the workforce.

Women's and Gender Studies (WGSS)

Courses

WGSS 242 Gender and Equality
Credits: 3
Term: (F, S, Su based on sufficient demand)
Core Class: Humanities
The human cultural role of gender is examined in relation to historical perspectives, business, social and familial organizations, world views, technology, and perception of self.

Writing (WRIT)

Courses

WRIT 094 PCE Non-Credit WRIT Course
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

WRIT 095 Developmental Writing
Credits: 3
Term: (Currently not offered)
Prerequisite: Qualifying placement score within the past 3 years.
Developmental Writing prepares students for college-level composition in WRIT 101. Writing paragraphs and short essays provides a review and reinforcement of principles of English grammar and punctuation associated with successful college-level writing. Confidence and ability to write clear and effective sentences are assumed.

WRIT 098 Accelerated Developmental Writ
Credits: 1
Term: (F, S)
Prerequisite: Qualifying placement score within the past 3 years.
This course allows students who place into WRIT 095 Developmental Writing to complete their college writing requirements in one semester by enrolling concurrently in WRIT 098 Accelerated Developmental Writing and WRIT 101 College Writing I. Emphasis is placed on developing a familiarity with the writing process, development of ideas, topic selection, improving editing skills, and developing critical reading strategies.

WRIT 101 College Writing I
Credits: 3
Term: (F, S, Su)
Prerequisite: WRIT 095 with a grade of C- or higher, or qualifying placement score within the past 3 years.
Core Class: Written Communication
This class develops students' skills in reading and writing for academic purposes through reading and writing expository essays, argumentative essays, and research papers. Essay assignments emphasize structure, argument, development of ideas, clarity, style, and diction. Some sections include additional support for students with a qualifying placement score. 202050.

WRIT 104 Workplace Communications
Credits: 2
Term: (F, S, Su)
This course introduces trades students to various forms of written communication in the workplace, including memos, letters, email messages, incident or accident reports, technical documentation, cover letters and resumes. Emphasis is placed on clarity and professionalism in written work. A review and reinforcement of the principles of grammar is provided through editing practice.

WRIT 121 Intro to Technical Writing
Credits: 3
Term: (F, S based upon sufficient demand)
Prerequisite: WRIT 095 OR WRIT 104 with a grade of C- or higher, or qualifying placement score within the past 3 years.
This course introduces students to the creation and evaluation of several kinds of written and oral technical communication. Students will gain experience in communication formats typical of technical careers, including electronic communication, memo writing, report writing, formal research writing, document design, grammar, usage, and style. Emphasis is placed on professionalism, critical thinking, analysis of audience, context, and purpose, as well as the ability to locate, synthesize, and analyze, organize, and present information effectively. Course assumes working knowledge of Microsoft Word.

WRIT 122 Intro to Business Writing
Credits: 3
Term: (Based on sufficient demand)
Prerequisite: WRIT 095 with a grade of C- or higher, qualifying placement score within the past 3 years, or consent of instructor.
This course introduces students to various forms of written communication in the workplace. Emphasis is placed on clarity, conciseness, accuracy, and professionalism in written work. Projects include business letters, memos, email messages, and various reports. A review and reinforcement of the principles of grammar is provided through editing practice.

WRIT 201 College Writing II
Credits: 3
Term: (Based on sufficient demand)
Prerequisite: WRIT 101
This course emphasizes reading and writing for academic purposes in preparation for upper division coursework. Students are expected to read advanced-level texts, discuss those texts, and write about them. Essay assignments emphasize persuasive techniques, stylistic choices, and research for academic purposes past what is covered in WRIT101. The ability to write short essays is assumed.

WRIT 220 Business & Prof Writing
Credits: 3
Term: (F, S)
Prerequisite: WRIT 095
This course emphasizes the analysis and production of effective oral and written communication in the contemporary business environment. Topics include writing, researching, formatting, editing, and analyzing a variety of messages, audiences, and purposes using typical office documents (memos, letters, reports, instructions, proposals). Students are expected to write without faults in grammar.

Faculty and Administrative Staff

B

Julie Barnwell	Dental Hygiene Program Director	B.S., Oregon Health Sciences University
Leonard Bates	Respiratory Care	M.Ed., Montana State University – Northern B.A., State University of New York, Albany A.S., San Antonio College
Brad Bechard	Physical Therapy Assistant Program Director	D.P.T., University of Montana M.S., University of Mary B.S., Montana State University
David Bonilla	Chief Technology Officer	B.S., University of Montana
Mary Kay Bonilla	Chief Student Affairs Human Resources Officer	M.P.A., University of Montana B.S., University of Montana
Rachael Bruce	Dental Hygiene	M.Ed., Univeristy of Montana BS, Univeristy of Idaho AAS, Northern Iowa Community College

C

Brenda Canine	Biology	Ph.D., Washington State University B.S., University of Idaho
Dan Casmier	Chemistry	Ph.D., University of Washington B.S., Pacific Lutheran University
Brian Cayko	Respiratory Care	M.B.A., University of Mary B.S., Montana State University A.A.S, Great Falls College Montana State University
Monte Cobb	Welding	B.A., Montana State University Certified Welder,

D

David Dachs	Supervising Dentist	
Julie Derby	Nursing	B.S.N., University of Portland, Oregon
Kerry Dolan	Accounting	M.P.Ac., Montana State University B.S., Montana State University

Kim Dunlap	Dental Hygiene	M.S., Montana State University Northern B.S., Montana State University A.A.S., Great Falls College MSU
Jessica Dykstra	Academic Advisor	B.S., Montana State University- Northern

F

Leanne Frost	General Studies Division Director	Ed.D., Montana State University M.Ed., Montana State University Billings B.A., Brigham Young University

G

Daisy Gibson	Surgical Technology	A.A.S., Great Falls College Montana State University

H

Leah Habel	Financial Aid Director	B.A., Carroll College
Michael Hansell	PTA Faculty Academic Coordinator of Clinical Education	A.A.S., Williston State College
Karry Hardman	Industrial / Renewable Energy Technician	A.A.S., Great Falls College MSU
Joel Henderson	Emergency Medical Services	B.A.S., Montana State University Billings A.A.S., Great Falls College Montana State University

J

Quincie Jones	Biology	M.S., Montana State University B.S., Montana State University – Northern

L

Amy LePage, M.D.	Medical Director, Emergency Services	M.D., University of Washington B.A., Carroll College
Mandilynn Lee	Nursing Faculty	B.S.N., Montana State University Northern A.S.N., Great Falls College MSU L.P.N., Great Falls College MSU

M

Shannon Marr	Director of Recruitment Enrollment	B.A., University of Montana
Cherie McKeever	Biology Department Co-Chair	D.V.M., University of Illinois B.S., University of Illinois College of Veterinary Medicine
Katherine Meier	Director of Disability and Learning Services	M.Ed., University of Providence B.A., University of Providence

Name	Department/Title	Degrees
Brienne Menut	English	MA, Arcadia University
Charla Merja	Director, Academic Success	M.Ed., Montana State University
Shelby Meyers	Academic Adivsor	B.S., Montana State University
Russell Motschenbacher	Health Sciences Director	M.S.N., Montana State University B.S.N., University of Wyoming A.S.N., Miles Community College

N

Name	Department/Title	Degrees
Elfriede Neber	Behavioral Sciences	Ed.D., Montana State University M.S., California State University, Fullerton B.A., City College of the City University of New York

O

Name	Department/Title	Degrees
Thomas Oakberg	Mathematics	M.S., Montana State University B.S., Montana State University
Eleazar Ortega	Institutional Researcher	M.S., California State University Fresno B.S., University of Southern California

P

Name	Department/Title	Degrees
Heather Palermo	Director of Lifelong Learning	M.S., Montana State University Billings B.A., San Diego State University
Jana Parsons	English	M.A., Arizona State University B.A., Western Washington University A.A., Yakima Valley Community College
Heidi Pasek	Psychology	Ed.D., Montana State University M.P.C., University of Great Falls B.S., Utah State University
Roger Peffer	Biology Department Co-Chair	M.S., Eastern Washington University B.S. B.A., Evergreen State College A.A., Green River Community College
Kathryn Peterson	Health Information Technology	M.A., The College of Scholastica B.S., Eastern Montana College A.A.S., Great Falls College Montana State University

Name	Department/Title	Degrees
Mark Plante	Mathematics	M.S., Montana State University B.A., University of Minnesota A.A., Lakewood Community College
Jeri Pullum	Grant Writer/Special Projects Coordinator	M.S., Nova Southeastern University B.A., University of Montana

R

Name	Department/Title	Degrees
Todd Reser	Welding Trades	A.A., Welding Technology B.S., Business Administration
Carmen Roberts	Director of Operations	M.P.A., University of Montana B.A., University of Montana B.A., University of Montana
Steven Robinett	Network and Microcomputer Support	M.Ed., Frostburg State B.A., James Madison University
Leigh Ann Ruggiero	English	M.F.A., University of Maryland B.A., Wheaton College

S

Name	Department/Title	Degrees
Michael Shell	Academic Advisor	Ph.D., Northwestern Theological Seminary Th.M., Northwestern Theological Seminary M.S. Science Education, Montana State University
Kristine Sher	Health Information Technology	M.S., Capella University B.S., James Madison University A.A.S., Northern Virginia Community College
Joel Sims	Trades Division Director / Welding Program Director	A.A.S., Sheridan College A.A., Sheridan College Certified Welder,
Gary Smart	Director of Facilities Services	
Heather Smith	Nursing	B.S.N., Walden University A.S.N., Mercer County Community College
Cynthia Stevens	Fine Arts or Humanities	M.A.M., University of Tennessee B.A.M., Maryville College B.A., Maryville College
Darryl Stevens	History	Ph.D., University of Houston M.A., University of Houston – Clear Lake B.A., Texas AM University

Name	Area	Degrees
Troy Stoddard	Director of Advising and Career Center	M.S., Utah State University B.S., Brigham Young University
Kaylene Strutz	Nursing	B.S.N., Montana State University
Becky Sullivan	Instructional Designer	M.E., Northern Arizona University B.S., University of Montana Western
Lauren Swant	Nursing Program Director	M.S.N., Indiana State Univeristy B.S.N., University of Pittsburgh

T

Scott Thompson	Director of Communications Marketing	B.A., University of Montana

V

Lawrence Vaccaro, Jr.	Communication	M.Ed., Montana State University – Northern M.A., University of Northern Colorado M.S., Air Force Institute of Technology, B.A.A.S., Southwest Texas State University

W

Dena Wagner-Fossen	Registrar	B.A., Wittenberg University B.S., University of Montana-Western
Michael Walker	Mathematics	M.S., Montana State University B.S., Montana State University B.S., Montana State University
Lindsay Wiard	Mathematics	B.S., Montana State University - Northern
Laura Wight	Director of Library Services	M.Ed., South Dakota State University M.S.L.S., Clarion University B.A., Norwich University
Robin Williams	Dental Assisting	M.S., Montana State University B.S., Montana State University
Susan Wolff	CEO/Dean	Ed.D., Oregon State University M.Ed., Oregon State University B.S., Montana State University

Name	Area	Degrees
Mandy Wright	English	M.Ed., Montana State University M.A., Montana State University B.A., Carroll College

Z

Douglas Zander	Welding	C.A.S., Great Falls College Montana State University A.A., Bismark State College Certified Welder,

Support Personnel

A

Kellie Anderson-Taves	Records Manager
Mallory Antovel	Human Resources Manager
Joshua Archey	Student Activities Coordinator

B

Bailey Barton	Accounting Associate IV
Tony Bernatonis	Webmaster
Kimberly Blaine	Admissions Administrative Assistant
Beryl Bonahoom	Student Accounts
Wayne Breau	eLearning Instructional Technology Specialist
Courtney Brooks	Bookstore Assistant Manager
Pamela Buckheit	Program Coordinator, Lifelong Learning
Arnold Buhmann	Network Computer Systems Administrator
Victoria Bull	Financial Aid Specialist I

C

Marie Cherry	Accounting Associate, Business Office
Beth Cooper	Library Technician

D

Geralyn Dyson	Assistant Registrar, Operations Support

F

Samantha Fairhurst	Bookstore Cashier
Andrea Fossen	Admissions Evaluator II
Julie Freshly	Administrative Associate to the Chief Student Affairs Officer

G

Paul Gallagher	Custodian

H

Kathleen Haggart	Payroll Officer
Steven Halsted	Bookstore Manager
Jan Hergesheimer	Financial Aid Specialist
Scott Hursh	Welding Coach

J

Terri Jarvey	Dental Front Desk Coordinator
Lorene Jaynes	Chief of Staff

L

Stacy Lowry	General Studies Administrative Assistant
Craig Lucas	Maintenance Worker

M

Ben McKinley	Maintenance Worker III

Kayla McKinley	Accounting Associate II

N

James Nieman	Maintenance Worker

O

Denise Ostberg	Executive Assistant to Development, Communications, Marketing

P

Billie Perry	Biology Lab Teaching Assistant/Technician
Joshua Petersen	Custodian

Q

Toni Quinn	Academic Affairs Coordinator

R

'Levi' Courtney Rabel	Financial Aid Specialist
Amanda Redenbaugh	Exam Proctor

S

Greg Schauer	Custodial Supervisor
Laramie Smovir	Enrollment Specialist
EJ Suek	Computer Support Specialist
James Sweat	Print Center Manager

T

Benjamin Truman	Library Computer Support Specialist

V

Karen Vosen	eLearning Student Support Coordinator

W

Elyssa Wassmann	Health Sciences Administrative Assistant
Oceane Weldele	Accounting Manager
Laura Willis	Program Coordinator, Lifelong Learning

Accreditation

Regional Accreditation

Great Falls College MSU is accredited by the Northwest Commission on Colleges and Universities (NWCCU) (http://www.nwccu.org/). Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact:

Northwest Commission on Colleges and Universities
8060 165th Avenue N.E., Suite 100
Redmond, WA 98052
425.558.4224
www.nwccu.org (http://www.nwccu.org)

Detailed information may be found in the Accreditation (http://www.gfcmsu.edu/about/accreditation/)section of the website.

Program Accreditation

Dental Assisting
Accredited by the American Dental Association
Commission on Dental Accreditation
211 East Chicago Avenue
Chicago, Illinois 60611
Tel 312.440.4653

Dental Hygiene
Accredited by the American Dental Association
Commission on Dental Accreditation
211 East Chicago Avenue
Chicago, Illinois 60611
Tel 312.440.4653

Paramedic
Accredited through Commission on Accreditation of Allied Health Education Programs (**CAAHEP)**
25400 U.S. Highway 19 North, Suite 158
Clearwater, FL 33756
Tel 727.210.2350
Fax 727.210.2354
http://www.caahep.org
mail@caahep.org

In collaboration with Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions(**CoAEMSP)**
8301 Lakeview Parkway Suite 111-312

Rowlett, TX 75088
Tel 214.703.8445
Fax 214.703.8992
http://coaemsp.org

Health Information Coding Specialist
This program is approved by:
AHIMA Foundation's Professional Certificate Approval Program
233 N Michigan Avenue, 21st Floor
Chicago, IL 60601-5809
Tel 312.233.1100

info@ahima.org

Health Information Technology
Commission on Accreditation for Health Informatics & Information Management Education (CAHIIM)
200 East Randolph Street, Suite 5100
Chicago, IL 60601
info@cahiim.org
Tel 312.235.3255

Physical Therapist Assistant
Commission on Accreditation in Physical Therapy Education (CAPTE)
American Physical Therapy Association
1111 North Fairfax Street
Alexandria, VA 22314
accreditation@apta.org
Tel 703.684.2782 or 703.706.3245

Practical Nurse Program
Approved by the Montana State Board of Nursing
301 South Park, Room 430
PO Box 200513 Helena, MT 59620-0513
Tel 406.841.2300 Receptionist

Registered Nurse Program
Approved by the Montana State Board of Nursing
301 South Park, Room 430
PO Box 200513 Helena, MT 59620-0513
Tel 406.841.2300 Receptionist

Respiratory Care
Commission on Accreditation for
Respiratory Care (CoARC)
1248 Harwood Road
Bedford, TX 76021-4244
Tel 817.283.2835
www.coarc.com (http://www.coarc.com)

Surgical Technology
Commission on Accreditation of Allied Health Education Programs (CAAHEP)
25400 U. S. Highway 19 North, Suite 158
Clearwater, FL 33763
Tel 727.210.2350

Accreditation Review Council on Education in Surgical Technology and Surgical Assisting
6 West Dry Creek Circle, Ste #110
Littleton, CO 80120
Tel 303.694.9262

Archives

- 2018-2019 Catalog (PDF (http://catalog.gfcmsu.edu/archive/2018-2019.pdf)) (HTML) (http://catalog.gfcmsu.edu/archive/2018-2019/)
- 2017-2018 Catalog (PDF (http://catalog.gfcmsu.edu/archive/2017-2018.pdf)) (HTML (http://catalog.gfcmsu.edu/archive/2017-2018/))
- 2016-2017 Catalog (PDF (http://catalog.gfcmsu.edu/archive/2016-2017.pdf)) (HTML (http://catalog.gfcmsu.edu/archive/2016-2017/))
- 2015-2016 Catalog (PDF (http://catalog.gfcmsu.edu/archive/2015-2016.pdf)) (HTML (http://catalog.gfcmsu.edu/archive/2015-2016/))
- 2014-2015 Catalog (PDF (http://catalog.gfcmsu.edu/archive/2014-2015.pdf)) (HTML (http://catalog.gfcmsu.edu/archive/2014-15/))
    - Updated 5/6/14 (PDF (http://records.gfcmsu.edu/documents/catalogs/2014-2015%20Catalog.pdf))

Click here (http://records.gfcmsu.edu/archives.html) for catalogs prior to 2014-2015.

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