

COLLEGE, SCHOOLS AND PROGRAMS

A

- Accounting Info Systems Certificate (p. 67)
- Accounting Technology - Computer Support A.A.S. (p. 368)
- Accounting Technology A.A.S. (p. 368)
- Administrative Management A.A.S. (p. 369)
- Administrative Management A.A.S. - Concentration in Social Media Management (p. 370)
- Administrative Systems Management Minor (p. 97)
- African-American Studies B.A. (p. 145)
- African-American Studies Minor (p. 145)
- American Politics (p. 316)
- Anthropology B.A. (p. 147)
- Anthropology Minor (p. 148)
- Applied Exercise Science B.S. (p. 90)
- Applied Mathematics (p. 270)
- Aquatic Ecosystem Science and Restoration (p. 109)
- Aquatic Wildlife Biology (p. 130)
- Arabic Studies Minor (p. 286)
- Archaeology (p. 149)
- Art History and Criticism Minor (p. 395)
- Art Studio Minor (p. 396)
- Arts B.A. (p. 397)
- Associate of Arts (A.A.) (p. 356)
- Associate of Arts (A.A.) with a Concentration in Communication Studies (p. 357)
- Associate of Arts (A.A.) with a Concentration in Professional Communication (p. 359)
- Astronomy Minor (p. 308)

B

- Bachelor of Applied Science (p. 162)
- Biochemistry B.S. (p. 164)
- Biochemistry Health Professions (p. 166)
- Biochemistry Minor (p. 168)
- Biological Education (Teacher Preparation Biology) (p. 170)
- Biology - Cellular and Molecular Biology (p. 172)
- Biology - Ecology and Organismal Biology (p. 174)
- Biology - Field Ecology (p. 177)
- Biology - Genetics and Evolution (p. 179)
- Biology - Human Biological Sciences (p. 181)
- Biology - Natural History (p. 183)
- Biology - Teacher Preparation General Science Broadfield (p. 185)
- Biology Minor (p. 187)
- Business Administration Minor (p. 78)
- Business Media Design C.A.S. (p. 371)

C

- Carpentry C.A.S. (p. 393)
- Central and Southwest Asian Studies B.A. (p. 195)
- Central and Southwest Asian Studies Minor (p. 196)
- Certificate in Big Data Analytics (p. 79)
- Certificate in Bioinformatics (p. 210)
- Certificate in Computer Programming (p. 211)
- Chemistry B.A. (p. 197)
- Chemistry B.S. (p. 199)
- Chemistry Minor (p. 200)
- Chinese Minor (p. 287)
- Classical Civilization (p. 287)
- Classical Civilization Minor (p. 288)
- Classical Languages (p. 288)
- Climate Change Studies Minor (p. 107)
- Combinatorics and Optimization (p. 272)
- Communication and Human Relationships (p. 206)
- Communication Studies Minor (p. 208)
- Communicative Sciences and Disorders B.A. (p. 84)
- Communicative Sciences and Disorders Certificate (p. 85)
- Community and Environmental Planning (p. 234)
- Community Health and Prevention Sciences B.S. (p. 91)
- Composition (p. 404)
- Computed Tomography Certificate (p. 381)
- Computer Aided Design C.A.S. (p. 361)
- Computer Applications Minor (p. 211)
- Computer Science B.S. (p. 212)
- Computer Science Minor (p. 213)
- Computer Science-Mathematical Sciences (Combined Major) (p. 214)
- Computer Support C.A.S. (p. 361)
- Construction Helper C.T.S. (p. 389)
- Construction Management C.A.S. (<http://catalog.umt.edu/colleges-schools-programs/missoula-college/industrial-technology/cert-construction-management>)
- Creative Writing (p. 221)
- Criminology (p. 339)
- Culinary Arts C.A.S. (p. 373)
- Cultural and Ethnic Diversity (p. 151)
- Customer Relations C.A.S. (p. 372)
- Cybersecurity (p. 362)

D

- Dance B.A. (p. 437)
- Dance B.F.A. (p. 438)
- Dance Education Minor (p. 441)
- Dance Minor (p. 441)
- Diesel Technology A.A.S. (p. 389)
- Digital Marketing Certification (p. 71)

E

- Early Childhood Education Minor (p. 98)
- Early Childhood Education P-3 B.A. (p. 98)
- Earth Science Education (p. 246)
- East Asian Studies B.A. (p. 217)
- Ecological Restoration Minor (p. 111)
- Economics B.A. (p. 218)
- Economics Minor (p. 220)
- Electronics Technology A.A.S. (p. 363)
- Electronics Technology C.A.S. (p. 362)
- Elementary Education B.A. (p. 100)
- Energy Auditor C.T.S. (p. 363)
- Energy Technology A.A.S. (p. 364)
- Energy Technology Certificate (p. 363)
- English as a Second Language Certificate (p. 153)
- English Minor (p. 222)
- Entertainment Management Certificate (p. 72)
- Entrepreneurship Certificate (p. 72)
- Entrepreneurship/Start-up Certificate (p. 375)
- Environmental Chemistry (p. 201)
- Environmental Ethics Certificate (p. 305)
- Environmental Studies B.A. (p. 231)
- Environmental Studies Minor (p. 233)

F

- Facility Management Engineering C.A.S. (p. 389)
- Film Studies (p. 224)
- Film Studies Minor (p. 225)
- Finance B.S. (p. 68)
- Fine Arts B.F.A. (p. 399)
- Fire Sciences and Management Minor (p. 115)
- Food Service Management A.A.S. (p. 374)
- Forensic Anthropology (p. 154)
- Forensic Chemistry (p. 203)
- Forensic Studies Certificate (p. 156)
- Forest Operations (p. 116)
- Forest Resources Management B.S. (p. 118)
- French B.A. (p. 289)
- French Minor (p. 290)

G

- General Linguistics (p. 225)
- Geographic Information Systems Certificate (p. 236)
- Geography B.A. (p. 237)
- Geography B.S. (p. 239)
- Geography Minor (p. 241)
- Geosciences B.S. (p. 248)
- Geosciences Minor (p. 250)
- German B.A. (p. 291)
- German Minor (p. 293)
- Gerontology Minor (p. 138)
- Global Humanities and Religions B.A. (p. 254)

- Global Humanities and Religions Minor (p. 257)
- Global Leadership Certificate (p. 448)
- Global Public Health Minor (p. 318)
- Greek Minor (p. 294)
- Green Building C.T.S. (p. 393)

H

- Health Behavior Coaching (C) (p. 92)
- Health Enhancement B.S. (p. 93)
- Health Information Technology (p. 365)
- Heavy Equipment Operation C.A.S. (p. 390)
- Historic Preservation Certificate (p. 157)
- History B.A. (p. 259)
- History Education (p. 260)
- History Minor (p. 263)
- History-Political Science (p. 264)
- Hospitality Management A.A.S. (p. 375)
- Hospitality Management Certificate (p. 374)
- Human and Family Development Minor (p. 333)
- HVAC Technician Certificate (p. 390)

I

- Inequality and Social Justice (p. 340)
- Instrumental Jazz Studies (p. 407)
- International Business B.S. (p. 70)
- International Development Studies Minor (p. 342)
- International Field Geosciences Dual (p. 250)
- International Field Geosciences Joint (p. 252)
- International Relations and Comparative Politics (p. 319)
- Irish Studies Minor (p. 226)

J

- Japanese B.A. (p. 294)
- Japanese Minor (p. 295)
- Journalism B.A. (p. 350)
- Journalism Minor (p. 350)

L

- Language Rejuvenation and Maintenance Certificate (p. 303)
- Latin American Studies Minor (p. 296)
- Latin B.A. (p. 296)
- Latin Minor (p. 297)
- Linguistics (p. 157)
- Linguistics Minor (p. 159)
- Literature (p. 227)
- Literature and the Environment (p. 228)

M

- Management & Entrepreneurship B.S. (p. 73)
- Management - Entrepreneurship A.A.S. (p. 376)
- Management - Sales and Marketing A.A.S. (p. 377)
- Management Information Systems B.S. (p. 79)

- Marketing B.S. (p. 75)
- Mathematical Sciences-Computer Science (Combined Major) (p. 274)
- Mathematics B.A. (p. 277)
- Mathematics Education (p. 278)
- Mathematics Minor (p. 269)
- Media Arts B.A. (p. 401)
- Media Arts Minor (p. 403)
- Medical Anthropology (p. 160)
- Medical Assisting A.A.S. (p. 381)
- Medical Claims Specialist Certificate (p. 380)
- Medical Information Technology - Health Information Coding Specialty A.A.S. (p. 378)
- Medical Information Technology - Medical Administrative Assisting A.A.S. (p. 379)
- Medical Laboratory Science (p. 188)
- Medical Reception Certificate (p. 377)
- Microbiology - Microbial Ecology (p. 190)
- Microbiology B.S. (p. 192)
- Microbiology Minor (p. 194)
- Military Studies Minor (p. 284)
- Mountain Studies Minor (p. 243)
- Music B.A. (p. 410)
- Music B.Mus (p. 412)
- Music Composition (p. 414)
- Music Education B.A. (p. 417)
- Music History (p. 420)
- Music Minor (p. 422)
- Musical Studies (p. 424)

N

- Native American Studies B.A. (p. 303)
- Native American Studies Minor (p. 304)
- Network Administration and Security (p. 365)
- Neuroscience B.S. Cellular and Molecular option (p. 335)
- Neuroscience B.S. Cognitive Neuroscience option (p. 336)
- Nonprofit Administration Minor (p. 321)

O

- Organ Performance (p. 427)
- Organizational Communication (p. 208)

P

- Paralegal Studies A.A.S. (p. 380)
- Parks, Tourism, and Recreation Management B.S. (p. 120)
- Pharmacology (p. 204)
- Pharmacy Technology C.A.S. (p. 382)
- Philosophy B.A. (p. 306)
- Philosophy Minor (p. 307)
- Physical Geography (p. 243)
- Physics (p. 309)
- Physics - Astronomy (p. 310)
- Physics - Computational Physics (p. 314)

- Physics - Teaching Broadfield Science (p. 312)
- Physics Minor (p. 315)
- Piano Performance (p. 429)
- Piano Performance and Pedagogy (p. 432)
- Political Science B.A. (p. 328)
- Political Science Minor (p. 322)
- Political Science-History B.A. (p. 324)
- Practical Nursing A.A.S. (<http://catalog.umt.edu/colleges-schools-programs/missoula-college/health-professions/aas-practical-nursing>)
- Pre-Professional Exercise Science B.S. (p. 94)
- Precision Machine Technology C.A.S. (p. 391)
- Precision Machine Technology C.T.S. (p. 391)
- Programming and App Development (p. 366)
- Psychology B.A. (p. 337)
- Psychology Minor (p. 338)
- Public Administration (p. 330)
- Public Law (p. 332)
- Pure Mathematics (p. 280)

R

- Radiologic Technology A.A.S. (p. 383)
- Recreational Power Equipment C.A.S. (p. 392)
- Recycling Technology C.T.S. (p. 367)
- Registered Nursing (p. 384)
- Religious Studies (p. 257)
- Resource Conservation B.S. (p. 123)
- Respiratory Care A.A.S. (p. 386)
- Rural and Environmental Change (p. 343)
- Russian B.A. (p. 298)
- Russian Minor (p. 299)
- Russian Studies Minor (p. 300)

S

- Sales and Marketing Certificate (p. 376)
- Secondary Licensure (p. 101)
- Social Work B.A. (p. 139)
- Sociology B.A. (p. 344)
- Sociology Minor (p. 345)
- South and Southeast Asian Studies Minor (p. 346)
- Spanish B.A. (p. 300)
- Spanish Minor (p. 301)
- Statistics (p. 281)
- Surgical Technology A.A.S. (p. 387)
- Sustainable Business Strategy Certificate (p. 77)
- Sustainable Construction Technology A.A.S. (p. 392)

T

- Teaching English (p. 229)
- Teaching ESL Licensure (p. 103)
- Teaching Library Media Licensure (p. 103)
- Teaching Reading Licensure (p. 104)
- Teaching Special Education Licensure (p. 104)

- Technology in Education Licensure (p. 105)
- Terrestrial Ecosystem Science and Restoration (p. 112)
- Terrestrial Wildlife Biology (p. 132)
- Theatre B.A. (p. 442)
- Theatre B.F.A. (p. 444)
- Theatre Education Minor (p. 447)
- Theatre Minor (p. 447)

V

- Voice (p. 434)

W

- Welding Technology A.A.S. (p. 394)
- Welding Technology C.A.S. (p. 393)
- Wilderness Studies Minor (p. 129)
- Wildlife Biology Minor (p. 134)
- Women's, Gender and Sexuality Studies Concentration (<http://catalog.umt.edu/colleges-schools-programs/humanities-sciences/women-gender-sexuality-studies/ba-women-gender-sexuality-studies>)
- Women's, Gender and Sexuality Studies Minor (p. 348)

School of Business Administration

Christopher Shook, Dean

Klaus Uhlenbruck, Associate Dean

Homepage (<http://www.business.umt.edu>):<http://www.business.umt.edu/>

The School of Business Administration, founded in 1918, is the largest professional school at the University. All programs are accredited by AACSB International—The Association to Advance Collegiate Schools of Business, and accounting programs also hold separate AACSB accreditation.

Mission

The University of Montana's School of Business Administration enhances lives and benefits society by providing a world-class business education in a supportive, collegial environment. We accomplish this mission by acting on our shared core values of creating significant experiences, building relationships, teaching and researching relevant topics, behaving ethically, and inspiring individuals to thrive.

The goal of the School of Business Administration's programs is to provide a broad foundation in business practice and theory, supplemented by deep expertise within one or more specific business disciplines through majors and certificates. The complexity of contemporary society has increased the need for responsible, ethical leadership in organizations with local and global reach. A professional business education combined with solid grounding in the liberal arts and sciences prepares men and women to meet difficult challenges and to contribute to society in meaningful ways. School of Business Administration graduates work in business, nonprofit, and government sectors all over the world.

Students may pursue programs of study leading to the B.S. in Business Administration with a major in any of the following areas:

- accounting (p. 65),
- finance (p. 65),
- international business (p. 70),
- management (p. 71),
- management information systems (p. 78), and
- marketing (p. 71).

Students pursuing other undergraduate degrees can complete a minor in Business Administration or various certificates.

High School Preparation

High school students who are planning to major or minor in business administration at the University of Montana-Missoula should take their school's college preparatory curriculum. Additional courses to improve quantitative, writing, verbal communication, analytical, and computer skills will be beneficial. Students should take as much mathematics as possible, including two years of algebra.

Credit/No Credit Option

Most business administration courses are offered for traditional letter grade only.

All courses required for the major, the minor, certificates, and all general education courses must be taken for a traditional letter grade. Business courses taken as electives may be taken on a credit/no credit basis only if not identified as traditional letter grade only in the registration system and if approved by the instructor and the department chair. For additional information see the Academic Policies and Procedures (p. 7) section of the catalog.

Graduate Programs

Opportunity for further study at the graduate level is offered through programs leading to the degrees of

- Master of Accountancy (M-Acct.),
- Master of Business Administration (M.B.A.),
- Master of Science in Business Analytics (M.S.-B.A)
- Joint J.D./M.B.A.,
- Joint M.B.A./D.P.T. and
- Joint M.B.A./Pharm.D.

The M.B.A. and M-Acct. programs are suited to all students regardless of undergraduate training. Further details may be obtained from the Graduate School or by specific inquiries directed to: Director of M.B.A. Program, School of Business Administration or Director of M-Acct. Program, School of Business Administration.

Foundation Program for Graduate Work in Business

The M.B.A. and M-Acct. programs are open to graduates of non-business undergraduate programs (prerequisites strictly enforced). Students in the arts and sciences or other professional schools are encouraged to consider the M.B.A. and M-Acct programs. Completion of all of the foundation courses listed below (or equivalents) prior to starting the program will reduce the time required for the M.B.A. or M-Acct. at the University of Montana-Missoula by one year; however, many of the courses listed below have prerequisites that are strictly enforced (including, without limitation, a general prerequisite that all upper-division

business courses require the completion of each lower-core business course with a grade of C or better).

Foundation Courses

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BGEN 361	Principles of Business Law	3
BFIN 322	Business Finance	3
BMIS 270	MIS Foundations for Business	3
BMGT 322	Operations Management	3
BMGT 340	Mgmt & Organization Behavior	3
BMKT 325	Principles of Marketing	3
ECNS 201S	Principles of Microeconomics	3
STAT 216	Introduction to Statistics	4
Total Hours		31

Nine of the 10 courses in the Foundation Program are included in the undergraduate Minor in Business Administration, which is open to any undergraduate student. The School of Business Administration also offers a series of five graduate-level courses that can substitute for the above undergraduate courses. These courses are only open to students who have already earned an undergraduate degree. For more information, please visit the University of Montana School of Business Administration Graduate School website (http://www.umt.edu/grad/Programs/Business_School.php).

Foundation Program for M.S.-B.A. Program

The M.S.-B.A. program is open to graduates of non-business undergraduate programs. The program can be completed in one year for students who have completed the following foundation courses, or the equivalent:

BMIS 326	Introduction to Data Analytics	3
BMKT 560	Marketing & Stats	3-7
or STAT 216 & BMKT 325	Introduction to Statistics and Principles of Marketing	
STAT 451	Statistical Methods I	3
Business analytics internship or work experience		
Total Hours		9-13

For more information, please visit the University of Montana School of Business Administration M.S.-B.A. website (<http://www.business.umt.edu/programs/graduate/msba-program/default.php>).

Accounting and Finance Department

Bruce A. Costa Ph.D., Chair

The Department of Accounting and Finance prepares ethically aware decision-makers with effective analytical and qualitative business knowledge and skills to become professionals in their respective fields in the region and beyond. We commit to high quality teaching and applying scholarship to professional practice, pedagogy, and theory to enhance the professional accounting and finance fields. The department offers the Master of Accountancy degree and two undergraduate majors within the Bachelor of Science in Business Administration degree: accounting

and finance. The department also offers a Certificate in Accounting Information Systems.

Undergraduate

- Bachelor of Science in Business Administration - Accounting (p. 65)
- Bachelor of Science in Business Administration - Finance (p. 68)

Undergraduate Certificate

- Accounting Information Systems (p. 67)

Accounting B.S.

The undergraduate accounting program is committed to preparing students to apply accounting and business knowledge in organizations. Students develop competence in a broad range of accounting practices. The curriculum strives to foster critical thinking and problem-solving skills. Students are prepared to enter professional positions in accounting with business, nonprofit, or government organizations. Accounting programs in the School of Business Administration hold separate AACSB International accreditation.

See the School of Business Administration (p. 64) section of the catalog for additional credit restrictions and residency requirements.

Bachelor of Science - Accounting

School of Business Admin

Degree Specific Credits: 76

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Note: At least 54 credits must be earned in Business classes (ECNS, SoBA internship courses and SoBA faculty-led study abroad courses maybe counted in OR out of Business"). A minimum GPA of 2.0 is required for these courses.

At least 60 credits must be earned outside of SoBA (excluding HHP/ACT activities courses).

No more than 30 credits of ACTG (including ACTG 201 and ACTG 202) may count towards the 120 credits required to graduate.

At least 27 credits in business, the capstone courses, AND all required 400-level accounting courses must be taken at UM.

All Business credits transferred in after matriculating to UM must be pre-approved by the department chair in your major.

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

Summary

SoBA - Primary Lower Core Courses	15
SoBA Math Requirement	3-4
SoBA – Secondary Lower Core Courses	12

SoBA - Upper Major Core	15
Accounting Major Requirements	21
Accounting Major - Electives	3
SoBA - Capstone Courses	3
SoBA Upper-Division Writing Requirement	3
SoBA Symbolic Systems Requirement	3-4
SoBA Expressive Arts Requirement	3
SoBA Social Science Requirement	3
SoBA Ethical & Human Values Requirement	3
Total Hours	87-89

SoBA - Primary Lower Core Courses

Rule: All courses are required

Note: Unless a higher requirement is specified, all primary lower core courses must be completed with a C- or better and a 2.0 GPA in the seven (7) listed courses prior to admission into an upper-division Business Major. A minimum grade of C or better is required for ACTG 201 and ACTG 202 as a prerequisite for ACTG 203 and ACTG 305.

A math course and a statistics course are also required in the primary lower core. See Math Requirements and Symbolic Systems Requirements below. Math 3-4 credits, Symbolic Systems 3-4 credits, Stat is a primary lower core course.

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BMIS 270	MIS Foundations for Business	3
ECNS 201S	Principles of Microeconomics	3
WRIT 101	College Writing I	3
Total Hours		15

Minimum Required Grade: C-

SoBA Math Requirement

Rule: Students choose one course from the list below to fulfill their Math Requirement

Note: SoBA requires that credit be earned for one of the math courses below (with a C- or better) before enrolling in ACTG 202.

A student's result on the ALEKS Math Placement Exam does not waive this math requirement.

Select one of the following:	3-4
M 115	Probability and Linear Mathematics
M 121	College Algebra
M 151	Precalculus
M 162	Applied Calculus
Total Hours	3-4

Minimum Required Grade: C-

SoBA – Secondary Lower Core Courses

Rule: All courses are required

Note: All courses must be completed with a "C-" or better to satisfy prerequisites for certain major, upper major core, or capstone courses. Students are advised to complete these courses prior to being admitted to an upper-division Business Major. Prerequisites are strictly enforced.

BGEN 220E	Business Ethics and Social Responsibility	3
COMX 111A	Intro to Public Speaking	3
CSCI 172	Intro to Computer Modeling	3
ECNS 202S	Principles of Macroeconomics	3
Total Hours		12

Minimum Required Grade: C-

SoBA - Upper Major Core

Rule: All courses are required

Note: All upper major core courses must be completed before the capstone can be taken. A student must be listed as a major or minor in business to take these courses. Major or minor in business is defined as junior standing with all primary lower core courses completed, a 2.0 cumulative GPA, and formally admitted to the major or minor.

BFIN 322	Business Finance	3
BGEN 361	Principles of Business Law	3
BMGT 322	Operations Management	3
BMGT 340	Mgmt & Organization Behavior	3
BMKT 325	Principles of Marketing	3
Total Hours		15

Minimum Required Grade: C-

Accounting Major Requirements

Rule: Must complete the following subcategories

Note: No more than 30 credits of ACTG (including ACTG 201 and ACTG 202) may count towards the 120 credits required to graduate.

All required 400-level accounting courses must be taken at UM.

21 Total Credits Required

Accounting Major Requirements

Rule: All courses are required

ACTG 203	Accounting Lab	1
ACTG 305	Corporate Reporting I	3
Total Hours		4

Minimum Required Grade: C-

Accounting Major Requirements

Rule: All courses are required

ACTG 306	Corporate Reporting II	3
ACTG 321	Acct Information Systems I	3
ACTG 401	Principles of Fed Tax - Ind	3
ACTG 410	Cost/Mgmt Acct I	3
ACTG 411	Auditing I	3

ACTG 425	State & Local Gov't Acctg	2
Total Hours		17

Minimum Required Grade: C-

Accounting Major - Electives

Rule: Take 3 credits from the list below.

Note: No more than 3 credits of ACTG 498 may count towards the 120 credits required to graduate.

No more than 30 credits of ACTG (including ACTG 201 and ACTG 202) may count towards the 120 credits required to graduate.

See MAcct Director for information pertaining to the Master's of Accountancy Program or taking the CPA exam.

Select three credits from the following:		3
ACTG 307	Corporate Reporting III	
ACTG 420	Cost/Mgmt Acct II	
ACTG 426	Acctg for Nonprofits	
ACTG 432	Income Tax Practicum	
ACTG 498	Internship	
Total Hours		3

Minimum Required Grade: C-

SoBA - Capstone Courses

Rule: All courses are required

Note: Students must complete all primary and secondary lower core and upper core courses and their prerequisites and have an approved graduation application to register for their capstones.

Students must pass the required comprehensive exam as well as all requisite coursework to earn a passing grade in BGEN 499. BGEN 499 must be taken at UM.

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Upper-Division Writing Requirement

Rule: All courses are required

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Symbolic Systems Requirement

Rule: Students complete STAT 216 (preferred) or one other course from the list below to fulfill the Symbolic Systems Requirement.

Note: This is a primary lower core course. SoBA requires that credit be earned for STAT 216 (preferred) or one of the other statistics courses

below (with a C- or better) prior to being admitted into an upper-division SoBA major.

Select one of the following: 3-4

FORS 201	Forest Biometrics	
PSYX 222	Psychological Statistics	
SOCI 202	Social Statistics	
STAT 216	Introduction to Statistics (preferred)	
Total Hours		3-4

Minimum Required Grade: C-

SoBA Expressive Arts Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

COMX 111A	Intro to Public Speaking	3
Total Hours		3

Minimum Required Grade: C-

SoBA Social Science Requirement

Rule: All courses are required

Note: This is a primary lower core course and must be completed with a C- or better prior to a student being admitted into an upper-division SoBA major.

ECNS 201S	Principles of Microeconomics	3
Total Hours		3

Minimum Required Grade: C-

SoBA Ethical & Human Values Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

BGEN 220E	Business Ethics and Social Responsibility	3
Total Hours		3

Minimum Required Grade: C-

Accounting Info Systems Certificate

School of Business Admin

Degree Specific Credits: 25

Required Cumulative GPA: 3.0

Catalog Year: 2017-2018

Note: All students pursuing an AIS Certificate must also complete the degree requirements for one of the business majors.

The 3.0 GPA requirement pertains specifically to the 25 credits listed below, not a student's cumulative GPA.

Please meet with an AIS Certificate Advisor for assistance (see SoBA Advising for list of advisors by major).

Accounting Information Systems Certificate - Requirements

Rule: All courses are required

Note: See individual course descriptions in the catalog for additional grade and prerequisite requirements.

ACTG 203	Accounting Lab	1
ACTG 305	Corporate Reporting I	3
ACTG 306	Corporate Reporting II	3
ACTG 321	Acct Information Systems I	3
ACTG 411	Auditing I	3
BMIS 326	Introduction to Data Analytics	3
BMIS 373	Business System Analy & Design	3
BMIS 479	Introduction to Consulting	3
Total Hours		22

Minimum Required Grade: C-

Accounting Information Systems Certificate - Electives

Rule: Complete 3 credits from the list below.

Note: See individual course descriptions in the catalog for additional grade and prerequisite requirements.

BMIS 365	Business App Development	3
or BMIS 370	Managing Information and Data	
Total Hours		3

Minimum Required Grade: C-

Finance B.S.

The finance curriculum is designed to equip students with a comprehensive foundation in financial management, financial markets and investments. Students will gain competence in making effective decisions, performing complex analyses, providing expert financial advice and utilizing current technology tools and data sources.

Basic Requirements for Finance Major

All students must complete a faculty-approved plan of study during the first semester of their junior year. The plan of study is available from a finance faculty advisor and must be completed and signed by the faculty advisor. Failure to implement and adhere to a program of study may delay graduation. Some courses have grade requirements in the prerequisite course (see the catalog course descriptions). Many of these courses may be taught once a year, so students should see their advisor for the schedule each academic year.

Bachelor of Science - Finance

School of Business Admin

Degree Specific Credits: 76

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Note: At least 54 credits must be earned in Business classes (ECNS, SoBA internship and SoBA faculty let study abroad courses may be counted in OR out of Business). A minimum GPA of 2.0 is required for these courses.

At least 60 credits must be earned outside of SoBA (excluding HHP/ACT activities courses).

At least 27 credits in business AND all required 400-level finance courses must be taken at UM.

All business credits transferred in after matriculating to UM must be pre-approved by the department chair in your major.

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

Summary

SoBA – Primary Lower Core Courses	21
SoBA Math Requirement	3-4
SoBA – Secondary Lower Core Courses	12
SoBA – Upper Major Core	15
Finance Major - Requirements	15
Finance Major - Electives	9
SoBA - Capstone Course	3
SoBA Upper-Division Writing Requirement	3
SoBA Symbolic Systems Requirement	3-4
SoBA Expressive Arts Requirement	3
SoBA Social Science Requirement	3
SoBA Ethical & Human Values Requirement	3
Total Hours	93-95

SoBA - Primary Lower Core Courses

Rule: All courses are required

Note: Unless a higher grade requirement is specified, all primary lower core courses must be completed with a C- or better and a 2.0 GPA must be earned in the seven (7) listed courses prior to admission into an upper-division Business Major.

A math course and a statistics course are also required as part of the primary lower core. See Math Requirements and Symbolic Systems Requirements below.

- Math 3-4 Credits
- Symbolic Systems 3-4 Credits

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BMIS 270	MIS Foundations for Business	3
ECNS 201S	Principles of Microeconomics	3
WRIT 101	College Writing I	3
Total Hours		15

Minimum Required Grade: C-

SoBA Math Requirement

Rule: Students choose one from the list below to fulfill their Math Requirement

Note: The Finance Department encourages that a student take M 162 to complete his or her math requirement to better prepare the student for a major in Finance. However, M 115, M 121, or M 151 will be accepted for students who choose not to take M 162.

SoBA requires that credit be earned for one of the math courses below (with a C- or better) before enrolling in ACTG 202.

A student's result on the ALEKS Math Placement Exam does not waive this math requirement.

Select one of the following:		3-4
M 115	Probability and Linear Mathematics	
M 121	College Algebra	
M 151	Precalculus	
M 162	Applied Calculus	

Total Hours		3-4
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Minimum Required Grade: C-

SoBA – Secondary Lower Core Courses

Rule: All courses are required

Note: All courses must be completed with a "C-" or better to satisfy BFIN 322, prerequisites for certain major, upper major core, or capstone courses. Students are advised to complete these courses prior to being admitted to an upper-division Business Major. Prerequisites are strictly enforced.

BGEN 220E	Business Ethics and Social Responsibility	3
COMX 111A	Intro to Public Speaking	3
CSCI 172	Intro to Computer Modeling	3
ECNS 202S	Principles of Macroeconomics	3
Total Hours		12

Minimum Required Grade: C-

SoBA - Upper Major Core

Rule: All courses are required

Note: BFIN 322 must be completed with a C or higher as a prerequisite to the finance major requirements.

All upper major core courses must be completed before the capstones can be taken. A student must be listed as a major or minor in business

to take these courses. Major or minor in business is defined as junior standing with all primary lower core courses completed, a 2.0 cumulative GPA, and formally admitted to the major or minor.

BFIN 322	Business Finance	3
BGEN 361	Principles of Business Law	3
BMGT 322	Operations Management	3
BMGT 340	Mgmt & Organization Behavior	3
BMKT 325	Principles of Marketing	3
Total Hours		15

Minimum Required Grade: C-

Finance Major - Requirements

Rule: All courses are required

Note: Finance major courses only offered once per academic year. All required 400-level finance courses must be taken at UM.

BFIN 420	Investments	3
BFIN 424	Markets, Instns & Fin Engrng	3
BFIN 429	Fin Mgmt I:Thry/Analysis	3
BFIN 439	Fin Mgmt II: Analysis/Problems	3
BFIN 450	Banking	3
Total Hours		15

Minimum Required Grade: C-

Finance Major - Electives

Rule: Take 9 credits from the list below.

Note: BFIN 205S is encouraged for Finance majors, but does not count as an elective for the Finance Major.

Note: These 9 credits are selected in consultation with your faculty advisor. A signed track sheet reflecting these courses is required on file in the SoBA Advising Office.

- ACTG 305 has a co-requisite of ACTG 203.
- Up to 3 credits of BFIN 498 can count towards the 9 credit elective requirement.

Select 9 credits from the following:		9
ACTG 305	Corporate Reporting I	
ACTG 321	Acct Information Systems I	
ACTG 410	Cost/Mgmt Acct I	
BFIN 301	Analysis of Finan Statements	
BFIN 410	\$50,000 Portfolio	
BFIN 473	Multinational Financial Mgmt	
BFIN 498	Internship	
ECNS 301	Intermediate Micro with Calc	
ECNS 302	Intermediate Macroeconomics	
ECNS 403	Introduction to Econometrics	
Total Hours		9

Minimum Required Grade: C-

SoBA - Capstone Course**Rule:** All courses are required.**Note:** Students must complete all primary and secondary lower core and upper core courses (and their prerequisites) and have an approved graduation application to register for their capstone.

Students must pass the required comprehensive exam as well as all requisite coursework to earn a passing grade in BGEN 499. BGEN 499 must be taken at UM

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Upper-Division Writing Requirement**Rule:** All courses are required

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Symbolic Systems Requirement**Rule:** Student's complete STAT 216 (preferred) or one other course from the list below to fulfill the Symbolic Systems Requirement.**Note:** This is a primary lower core course. SoBA requires that credit be earned for STAT 216 (preferred) or one of the other statistics courses below (with a C or better) prior to being admitted into an upper-division SoBA major.

Select one of the following:	3-4	
FORS 201	Forest Biometrics	
PSYX 222	Psychological Statistics	
SOCI 202	Social Statistics	
STAT 216	Introduction to Statistics (preferred)	
Total Hours		3-4

Minimum Required Grade: C

SoBA Expressive Arts Requirement**Rule:** All courses are required**Note:** Students must complete this course with a C or better prior to taking the capstones, though earlier completion is strongly encouraged.

COMX 111A	Intro to Public Speaking	3
Total Hours		3

Minimum Required Grade: C

SoBA Social Science Requirement**Rule:** All courses are required**Note:** This is a lower primary core course and must be completed with a C or better prior to being admitted to an upper division SoBA major.

ECNS 201S	Principles of Microeconomics	3
Total Hours		3

Minimum Required Grade: C

SoBA Ethical & Human Values Requirement**Rule:** All courses are required**Note:** Students must complete this course with a C or better prior to taking the capstones, though earlier completion is strongly encouraged.

BGEN 220E	Business Ethics and Social Responsibility	3
Total Hours		3

Minimum Required Grade: C

International Business Major**Suzanne Tilleman, Chair**

The Department of Management and Marketing offers three majors within the Bachelor of Science in Business Administration: International Business, Management, and Marketing.

Undergraduate

- Bachelor of Science - International Business (p. 70)

**International Business B.S.
Bachelor of Science - International
Business****School of Business Admin****Degree Specific Credits:** 30**Required Cumulative GPA:** 2.0**Catalog Year: 2017-2018****Note:** At least 54 credits must be earned in Business classes (ECNS, SoBA internship courses and SoBA faculty-led study abroad courses may be counted in OR out of Businss). A minimum GPA of 2.0 is required for these courses.

At least 60 credits must be earned outside of SoBA (excluding HHP/ACT activities courses).

At least 27 credits in business must be taken at UM.

All business credits transferred in after matriculating to UM must be pre-approved by the department chair in your major.

In addition to the below requirements, students seeking a major in International Business must complete all degree requirements for a major in ACCT, FIN, MGMT, MIS, or MKTG.

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

Summary

International Business Major Requirements	12
Foreign Language Requirement	12
International Business Major - Track Courses	6
Total Hours	30

International Business Major - Foreign Language Requirement

Rule: All courses are required

BFIN 473	Multinational Financial Mgmt	3
BGEN 360	International Business	3
BMGT 467	Global Operations and Supply Chain Management	3
BMGT 480	Cross-Cultural Mgmt	3
Total Hours		12

Minimum Required Grade: C-

International Business Major - Foreign Language Requirement

Rule: Four semesters or equivalent of one foreign language is required.

Note: A student may be exempt from this requirement if using English as a Second Language. Please see the International Business Advisor for assistance.

16 Total Credits Required

Minimum Required Grade: C-

International Business Major - Track Courses

Rule: Take 6 credits in approved track courses.

Note: These 6 credits are selected in consultation with your faculty advisor. A signed track sheet reflecting these courses is required on file in the SoBA Advising Office.

6 Total Credits Required

Minimum Required Grade: C-

Management and Marketing Department

Suzanne Tilleman, Chair

The Department of Management and Marketing offers three majors within the Bachelor of Science in Business Administration: International Business, Management, and Marketing.

Undergraduate

- International Business B.S. (p. 70)
- Management and Entrepreneurship B.S. (p. 73)
- Marketing B.S. (p. 75)

Undergraduate Certificates

- Digital Marketing Certification (p. 71)
- Entertainment Management Certificate (p. 72)
- Entrepreneurship Certificate (p. 72)
- Sustainable Business Strategy (p. 77)

Digital Marketing Certification Certificate of Art - Digital Marketing School of Business Admin

Degree Specific Credits: 24

Required Cumulative GPA: 3.0

Catalog Year: 2017-2018

Note: All students pursuing a Digital Marketing Certificate must also complete the degree requirements for one of the business majors.

The 3.0 GPA requirement pertains specifically to the 24 credits listed below, not a student's cumulative GPA.

Please meet with a Digital Marketing Certificate advisor for assistance (see SoBA Advising for list of advisors by major).

Summary

Digital Marketing Certificate - Requirements	21
Digital Marketing Certificate - Electives	3
Total Hours	24

Digital Marketing Certificate - Requirements

Rule: All courses are required

BMIS 372	Information Infrastructures	3
BMIS 373	Business System Analy & Design	3
BMIS 478	E Commerce a Managerl Prspctv	3
BMKT 342	Marketing Research	3
BMKT 343	Integrated Marketing Comm	3
BMKT 420	Integrated Online Marketing	3
BMKT 460	Mktg Hi-Tech Prod & Innov	3
Total Hours		21

Minimum Required Grade: C-

Digital Marketing Certificate - Electives

Rule: Take 3 credits from the list below.

Select one from the following:	3
BMIS 326	Introduction to Data Analytics
BMIS 365	Business App Development

BMIS 479	Introduction to Consulting	
FORS 250	Intro to GIS for Forest Mgt	
GPHY 284	Intro to GIS and Cartography	
MART 101L	Intro to Media Arts	
MART 112A	Introduction to Film Editing	
MART 102	Digital Technology in the Arts	
MART 111A	Intro to Photoshop	
MART 341	Intro to Web Design	
Total Hours		3

Minimum Required Grade: C-

Entertainment Management Certificate

Certificate of Art - Entertainment Management

School of Business Admin

Degree Specific Credits: 18

Required Cumulative GPA: 3.0

Catalog Year: 2017-2018

Note: This certificate is open to all majors across campus.

The 3.0 GPA requirement pertains specifically to the 18 credits listed below, not a student's cumulative GPA.

Special Topics courses (x91) and a maximum of three internship credits (x98) may count towards Certificate electives if so approved by the UMEM Program Director.

Summary

Entertainment Management Certificate - Requirements	9
Entertainment Management Certificate - Electives	9
Total Hours	18

Entertainment Management Certificate - Requirements

Rule: All courses are required

BMGT 401	Event Management	3
BMGT 402	Prin of Entertainment Mgmt I	3
BMGT 403	Prin of Entertainment Mgmt II	3
Total Hours		9

Minimum Required Grade: B

Entertainment Management Certificate - Electives

Rule: Take 9 credits from the list below.

Note: Up to 3 credits of BMGT 498 can count towards the 9 credits of electives.

BMGT 498 must be an entertainment-based internship to count towards the 9 credits of electives.

Select three of the following: 9

BFIN 205S	Personal Finance
BGEN 220E	Business Ethics and Social Responsibility
BMGT 101S	Intro to Entertainment Mgmt
BMGT 275	Venue Management
BMGT 375	Business of Film & Television
BMGT 420	Leadership and Motivation
BMGT 474	Entertainment Rsrch & Planning
BMGT 498	Internship
BMIS 478	E Commerce a Managerl Prspctv
BMKT 412	Non Profit Marketing
BMKT 413	Sports Marketing
BMKT 420	Integrated Online Marketing
MART 112A	Introduction to Film Editing
MART 111A	Intro to Photoshop
MUSI 132L	History of Rock & Roll
PSCI 466	Nonprofit Adm & Pub Svc

Total Hours 9

Minimum Required Grade: B

Entrepreneurship Certificate

Certificate of Art - Entrepreneurship

School of Business Admin

Degree Specific Credits: 15

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Note: All student pursuing a Certificate in Small Business & Entrepreneurship must also complete the degree requirements for one of the business majors.

The 2.0 GPA requirement pertains specifically to the 15 credits listed below, not a student's cumulative GPA.

Summary

Entrepreneurship Certificate - Requirements	5-10
Entrepreneurship Certificate - Electives	6
Total Hours	11-16

Entrepreneurship Certificate - Requirements

Rule: All courses are required

Note: Students must take 3 credits of BMGT 458 to earn the Entrepreneurship Certificate.

Students must complete a three (3) credit 498 internship course with an entrepreneurial venture.

BMGT 448	Entrepreneurship	3
BMGT 458	Advanced Entrepreneurship	1
BMGT 498	Internship	1-6
Total Hours		5-10

Entrepreneurship Certificate - Electives

Rule: Take 6 credits from the list below

Note: The electives cannot be in the students' primary major field.

Select two of the following:		6
BFIN 301	Analysis of Finan Statements	
BMGT 420	Leadership and Motivation	
BMIS 478	E Commerce a Managerl Prspctv	
BMKT 337	Consumer Behavior	
BMKT 342	Marketing Research	
BMKT 343	Integrated Marketing Comm	
BMKT 460	Mktg Hi-Tech Prod & Innov	
Total Hours		6

Minimum Required Grade: C-

Management & Entrepreneurship B.S. Bachelor of Science - Management & Entrepreneurship

School of Business Admin

Degree Specific Credits: 76

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Note: At least 54 credits must be earned in Business classes (ECNS, SoBA internship courses, and SoBA faculty-led study abroad courses may be counted in OR out of Business). A minimum GPA of 2.0 is required in these courses.

At least 60 credits must be earned outside of SoBA (excluding HHP/ACT activities courses).

At least 27 credits in business must be taken at UM.

All business credits transferred in after matriculating to UM must be pre-approved by the department chair in your major.

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

Summary

SoBA - Primary Lower Core Courses	21
SoBA Math Requirement	3-4
SoBA - Lower Secondary Core	12

SoBA - Upper Major Core	15
Management Major - Requirements	12
Management Major - Electives	12
SoBA - Capstone Courses	3
SoBA Upper-Division Writing Requirement	3
SoBA Symbolic Systems Requirement	4
SoBA Expressive Arts Requirement	3
SoBA Social Science Requirement	3
SoBA Ethical & Human Values Requirement	3
Total Hours	94-95

SoBA - Lower Primary Core Courses

Rule: All courses are required

Note: All lower primary core courses must be completed with a C- or better and a 2.0 GPA must per earned in the seven (7) listed courses prior to admission into an upper-division Business Major

Note: A math course and a statistics course are also required as part of the primary lower core. See Math Requirements and Symbolic Systems Requirements below.

- Math 3-4 Credits
- Symbolic Systems 3-4 Credits

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BMIS 270	MIS Foundations for Business	3
ECNS 201S	Principles of Microeconomics	3
ECNS 202S	Principles of Macroeconomics	3
WRIT 101	College Writing I	3
Total Hours		18

Minimum Required Grade: C-

SoBA - Math Requirement

Rule: Students choose one course from the list below to fulfill their Math Requirement

Note: SoBA requires that credit be earned for one of the math courses below (with a C- or better) before enrolling in ACTG 202.

A student's result on the ALEKS Math Placement Exam does not waive the math requirement.

Select one of the following:		3-4
M 115	Probability and Linear Mathematics	
M 121	College Algebra	
M 151	Precalculus	
M 162	Applied Calculus	
Total Hours		3-4

Minimum Required Grade: C-

SoBA - Lower Secondary Core

Rule: All courses are required

Note: All courses must be completed with a C- or better to satisfy prerequisites for certain major, upper major core, or capstone courses. Students are advised to complete these courses prior to being admitted to an upper-division Business Major. Prerequisites are strictly enforced.

BGEN 220E	Business Ethics and Social Responsibility	3
COMX 111A	Intro to Public Speaking	3
CSCI 172	Intro to Computer Modeling	3
ECNS 202S	Principles of Macroeconomics	3
Total Hours		12

Minimum Required Grade: C-

SoBA - Upper Major Core

Rule: All courses are required

Note: All upper major-core courses must be completed before the capstones can be taken.

Take BMGT 340 in the first semester in the upper-division major as it is a prerequisite course for many Management Major courses.

A student must be listed as a major or minor in business to take these courses. Major or minor in business is defined as junior standing with all primary lower core courses completed, a 2.0 cumulative GPA, and formally admitted to the major or minor.

BFIN 322	Business Finance	3
BGEN 361	Principles of Business Law	3
BMGT 322	Operations Management	3
BMGT 340	Mgmt & Organization Behavior	3
BMKT 325	Principles of Marketing	3
Total Hours		15

Minimum Required Grade: C-

Management Major - Requirements

Rule: All courses are required

BGEN 360	International Business	3
BMGT 420	Leadership and Motivation	3
BMGT 444	Management Communications	3
BMGT 448	Entrepreneurship	3
Total Hours		12

Minimum Required Grade: C-

Management Major - Electives

Rule: Take 12 credits from the list below.

Note:

- Up to 4 credits of BMGT 458 can count towards the 12 credit elective requirement.
- Up to 6 credits of BMGT 491 can count towards the 12 credit elective requirement.
- Up to 6 credits of BMGT 493 can count towards the 12 credit elective requirement.

- Up to 6 credits of BMGT 494 can count towards the 12 credit elective requirement.
- Up to 3 credits of BMGT 498 can count towards the 12 credit elective requirement.

Select 12 credits from the following:		12
BGEN 445	Sustainability Reporting	
BMGT 401	Event Management	
BMGT 402	Prin of Entertainment Mgmt I	
BMGT 403	Prin of Entertainment Mgmt II	
BMGT 410	Sustainable Business Practices	
BMGT 458	Advanced Entrepreneurship	
BMGT 467	Global Operations and Supply Chain Management	
BMGT 480	Cross-Cultural Mgmt	
BMGT 491	Special Topics	
BMGT 493	International Experience	
BMGT 494	Seminar/Workshop	
BMGT 498	Internship	
COMX 415	Intercultural Communication	
ECNS 312	Labor Economics	
PSCI 462	Human Resource Management	
Total Hours		12

Minimum Required Grade: C-

SoBA - Capstone Courses

Rule: Required: BGEN 499

Note: Students must complete all lower and upper core courses and their prerequisites and have an approved graduation application to register for their capstones.

Students must pass the required comprehensive exam as well as all requisite coursework to earn a passing grade in BGEN 499.

BGEN 499 must be taken at UM.

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Upper Division Writing Requirement

Rule: All courses are required

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Symbolic Systems Requirement

Rule: Students complete STAT 216 (preferred) or one other course from the list below to fulfill the Symbolic Systems Requirement.

Note: This is a lower primary core. SoBA requires that credit be earned for STAT 216 (preferred) or one of the other statistics courses below (with a C- or better) prior to being admitted into an upper-division SoBA major.

Select one of the following:	3-4
FORS 201 Forest Biometrics	
PSYX 222 Psychological Statistics	
SOCI 202 Social Statistics	
STAT 216 Introduction to Statistics (preferred)	

Total Hours	3-4
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Minimum Required Grade: C-

SoBA Expressive Arts Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

COMX 111A Intro to Public Speaking	3
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Total Hours	3
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Minimum Required Grade: C-

SoBA Social Science Requirement

Rule: All courses are required

Note: This is a lower primary core course and must be completed with a C- or better prior to a for a student being admitted into an upper-division SoBA major.

ECNS 201S Principles of Microeconomics	3
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Total Hours	3
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Minimum Required Grade: C-

SoBA Ethical & Human Values Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

BGEN 220E Business Ethics and Social Responsibility	3
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Total Hours	3
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Minimum Required Grade: C-

Marketing B.S.

The marketing major provides students with knowledge and skills required for the process of marketing products, services, or ideas. The contemporary role of marketing in society is treated from various perspectives, including functional and institutional analysis, as well as the application of decision-making tools.

Bachelor of Science - Marketing

School of Business Admin

Degree Specific Credits: 76

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Note: At least 54 credits must be earned in Business classes (ECNS, Soba internship course and SoBA faculty-led study abroad courses may be counted in OR out of Business). A minimum GPA of 2.0 is required for these courses.

At least 60 credits must be earned outside of SoBA (excluding HHP/ACT activities courses).

At least 27 credits in business must be taken at UM.

All business credits transferred in after matriculating to UM must be preapproved by the department chair in your major.

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

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SoBA - Upper Major Core	15
Marketing Major - Requirements	15
Marketing Major - Electives	9
SoBA - Capstone Courses	3
SoBA Upper-Division Writing Requirement	3
SoBA Symbolic Systems Requirement	3-4
SoBA Expressive Arts Requirement	3
SoBA Social Science Requirement	3
SoBA Ethical & Human Values Requirement	3
Total Hours	93-95

SoBA - Primary Lower Core Courses

Rule: All courses are required

Note: All primary lower core courses must be completed with a C- or better and a 2.0 GPA must be earned in the seven (7) listed courses prior to admission into an upper-division Business Major

Note: A math course and a statistics course are also required in the primary lower core. See Math Requirements and Symbolic Systems Requirements below.

- Math 3-4 Credits
- Symbolic Systems 3-4 Credits

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BMIS 270	MIS Foundations for Business	3
ECNS 202S	Principles of Macroeconomics	3
WRIT 101	College Writing I	3
Total Hours		15

Minimum Required Grade: C-

SoBA Math Requirement

Rule: Students choose one course from the list below to fulfill their Math Requirement

Note: SoBA requires that credit be earned for one of the math course below (with a C- or better) before enrolling in ACTG 202.

A student's result on the ALEKS Math Placement Exam does not waive this math requirement.

Select one of the following:		3-4
M 115	Probability and Linear Mathematics	
M 121	College Algebra	
M 151	Precalculus	
M 162	Applied Calculus	
Total Hours		3-4

Minimum Required Grade: C-

SoBA – Secondary Lower Core Courses

Rule: All courses are required

Note: All courses must be completed with a C- or better to satisfy prerequisites for certain major, upper major core, or capstone courses. Students are advised to complete these courses prior to being admitted to an upper-division Business Major. Prerequisites are strictly enforced.

BGEN 220E	Business Ethics and Social Responsibility	3
COMX 111A	Intro to Public Speaking	3
CSCI 172	Intro to Computer Modeling	3
ECNS 202S	Principles of Macroeconomics	3
Total Hours		12

Minimum Required Grade: C-

SoBA - Upper Major Core

Rule: All courses are required

Note: All upper major core courses must be completed before the capstone can be taken.

Take BMKT 325 in the first semester in the upper-division major as it is a prerequisite course for the Marketing Major.

A student must be listed as a major or minor in business to take these courses. Major or minor in business is defined as junior standing with all primary lower core courses completed, a 2.0 cumulative GPA, and formally admitted to the major or minor.

BFIN 322	Business Finance	3
BGEN 361	Principles of Business Law	3
BMGT 322	Operations Management	3
BMGT 340	Mgmt & Organization Behavior	3
BMKT 325	Principles of Marketing	3
Total Hours		15

Minimum Required Grade: C-

Marketing Major - Requirements

Rule: All courses are required

BGEN 360	International Business	3
BMKT 337	Consumer Behavior	3
BMKT 342	Marketing Research	3
BMKT 343	Integrated Marketing Comm	3
BMKT 420	Integrated Online Marketing	3
Total Hours		15

Minimum Required Grade: C-

Marketing Major - Electives

Rule: Take 9 credits from the list below. At least 3 of these credits must come from BMKT 440, BMKT 460 or BMKT 491.

Note:

- Up to 6 credits of BMGT 493 can count towards the 9 credit elective requirement.
- Up to 6 credits of BMKT 491 can count towards the 9 credit elective requirement.
- Up to 6 credits of BMKT 494 can count towards the 9 credit elective requirement.
- Up to 3 credits of BMKT 498 can count towards the 9 credit elective requirement.

Select at least 3 credits from the following:		3
BMKT 440	Marketing Analytics	
BMKT 460	Mktg Hi-Tech Prod & Innov	
BMKT 491	Special Topics	

Select 6 credits from the following: 6

BMGT 401	Event Management	
BMGT 402	Prin of Entertainment Mgmt I	
BMGT 403	Prin of Entertainment Mgmt II	
BMGT 410	Sustainable Business Practices	
BMGT 467	Global Operations and Supply Chain Management	
BMGT 493	International Experience	
BMIS 478	E Commerce a Managerl Prspctv	
BMKT 412	Non Profit Marketing	
BMKT 413	Sports Marketing	
BMKT 494	Seminar	
BMKT 498	Internship	
COMX 351	Principles of Public Relations	
COMX 352	Public Relations Portfolio	

MART 101L	Intro to Media Arts	
MART 102	Digital Technology in the Arts	
MART 111A	Intro to Photoshop	
MART 341	Intro to Web Design	
Total Hours		9

Minimum Required Grade: C-

SoBA - Capstone Courses

Rule: All courses are required

Note: Students must complete all lower and upper core and their prerequisites and have an approved graduation application to register for their capstone.

Students must pass the required comprehensive exam as well as all requisite coursework to earn a passing grade in BGEN 499. BGEN 499 must be taken at UM.

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Upper-Division Writing Requirement

Rule: All courses are required

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Symbolic Systems Requirement

Rule: Students complete STAT 216 (preferred) or one other course from the list below to fulfill the Symbolic Systems Requirement.

Note: This is a lower primary core course. SoBA requires that credit be earned for STAT 216 (preferred) or one of the other statistics courses below (with a C- or better) prior to being admitted into an upper-division SoBA major.

Select one of the following:		3-4
FORS 201	Forest Biometrics	
PSYX 222	Psychological Statistics	
SOCI 202	Social Statistics	
STAT 216	Introduction to Statistics (preferred)	
Total Hours		3-4

Minimum Required Grade: C-

SoBA Expressive Arts Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

COMX 111A	Intro to Public Speaking	3
Total Hours		3

Minimum Required Grade: C-

SoBA Social Science Requirement

Rule: All courses are required

Note: This is a primary lower core course and must be completed with a C- or better prior to being admitted into an upper-division SoBA major.

ECNS 201S	Principles of Microeconomics	3
Total Hours		3

Minimum Required Grade: C-

SoBA Ethical & Human Values Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

BGEN 220E	Business Ethics and Social Responsibility	3
Total Hours		3

Minimum Required Grade: C-

Sustainable Business Strategy Certificate

Certificate of Art - Sustainable Business Strategy

School of Business Admin

Degree Specific Credits: 12

Required Cumulative GPA: 3.0

Catalog Year: 2017-2018

Note: The 3.0 GPA requirement pertains specifically to the 12 credits listed below, not a student's cumulative GPA. In addition to the above requirements, students are required to complete the following:

- Meet with a SBSC certificate advisor;
- After completion of the two required courses, complete one "hands-on" experience to learn to apply and to demonstrate proficiency with sustainable business strategies and tools, as approved by the SBSC advisor (either an internships/service learning experience or case writing/submission; and
- Attend and complete an assignment on two speaker presentations on topics relating to Sustainability & Business as approved by the SBSC advisor.

Please meet with an SBSC advisor for assistance (see SoBA Advising for list of advisors by major).

Summary

SBSC Required Courses	6
SBSC Elective Courses	6
Total Hours	12

SBSC Required Courses

Rule: All courses are required

BGEN 445	Sustainability Reporting	3
BMGT 410	Sustainable Business Practices	3
Total Hours		6

Minimum Required Grade: C-

SBSC Elective Courses

Rule: Must choose 2

Note: Only 3 credits of BMGT 493 can count towards the 6 required elective credits for the SBSC. BMGT 493 must be approved through SBSC advisor as having a focus on sustainability issues.

Select two of the following: 6

BMGT 493	International Experience	
ECNS 445	Int Env Econ & Clim Change	
ENST 367	Environmental Politics & Policies	
ENST 487	Globalization, Justice & Environment	
GEO 482	Global Change	
NRSM 408	Global Cycles and Climate	
NRSM 449E	Climate Change Ethics/Policy	
NRSM 475	Environment & Development	

Total Hours 6

Minimum Required Grade: C-

Management Information Systems Department

Clay Looney, Chair

The Department of Management Information Systems offers a major in Management Information Systems within the Bachelor of Science in Business Administration.

Management Information Systems Major

The management information systems STEM curriculum prepares students to manage an organization's information resources. The major focuses on:

1. analyzing and managing the flows of information within and across the organization's business processes;
2. effectively managing the acquisition and utilization of information technology; and
3. using both information and information technology to enhance the organization's strategic advantage.

The knowledge and skills developed in the curriculum lead to careers in consulting, application development, systems analysis and design,

database administration, electronic commerce, telecommunications, network security management, big data analytics and project management.

Certificate in Big Data Analytics

The Big Data Analytics (BDA) certificate is designed to provide students with the tools necessary to compete in the Big Data space. Students will use big data tools that are currently available to capture, analyze, and present big data. They will explore a variety of applications with which Big Data tools can be applied, and they will complete a Big Data project. This certificate is currently aimed at students majoring in business, computer science, or mathematics.

Undergraduate

- Management Information Systems B.S. (p. 79)

Undergraduate Minors

- Business Administration Minor (p. 78)

Undergraduate Certificates

- Certificate in Big Data Analytics (p. 79)

Business Administration Minor Minor - Business Administration School of Business Admin

Degree Specific Credits: 27

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Summary

Primary Lower Core Courses	16
Upper Minor Core	12
Total Hours	28

Primary Lower Core Courses

Rule: Must complete all of the following courses:

Note: Students must earn a "C-" or better in any prerequisites and primary lower core courses before taking the upper division business minor courses. These seven (7) courses must be completed with a 2.0 GPA.

Student can apply to the Business Minor when they have a "C-" or better in all primary lower core courses, 60 credits, and a 2.0 primary lower core GPA.

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BMIS 270	MIS Foundations for Business	3
ECNS 201S	Principles of Microeconomics	3
STAT 216	Introduction to Statistics	4
Total Hours		16

Minimum Required Grade: C-

Upper Minor Core

Rule: Must complete all of the following courses:

Note: Three of the four upper minor core classes must be completed at the University of Montana - Missoula.

These classes can only be taken after the application to the Business Minor has been approved.

BFIN 322	Business Finance	3
BGEN 361	Principles of Business Law	3
BMGT 340	Mgmt & Organization Behavior	3
BMKT 325	Principles of Marketing	3
Total Hours		12

Minimum Required Grade: C-

Certificate in Big Data Analytics

The Big Data Analytics (BDA) certificate is designed to provide students with the tools necessary to compete in the Big Data space. Students will use big data tools that are currently available to capture, analyze, and present big data. They will explore a variety of applications with which Big Data tools can be applied, and they will complete a Big Data project. This certificate is currently aimed at students majoring in business, computer science, or mathematics.

Certificate - Big Data Analytics

School of Business Admin

Degree Specific Credits: 12

Required Cumulative GPA: 3.0

Catalog Year: 2017-2018

Note: All students pursuing a BDA Certificate must also complete the degree requirements for a UM major.

The 3.0 GPA requirement pertains specifically to the 12 credits required for this certificate, not a student's cumulative GPA.

Please meet with an BDA Certificate Advisor for assistance (Computer Science and Mathematics majors contact their department; all others contact SOBA Advising).

Complete the BDA certificate application (available from the SOBA advising office).

Summary

Big Data Analytics Certificate - Foundational Course	3
Big Data Analytics Certificate – Elective Courses	6
Big Data Analytics Certificate – Capstone Course	3
Total Hours	12

Big Data Analytics Certificate - Foundational Course

Rule: Take the following course.

Note: See individual course descriptions in the catalog for additional grade and prerequisite requirements.

BMIS 326	Introduction to Data Analytics	3
Total Hours		3

Minimum Required Grade: C-

Big Data Analytics Certificate – Elective Courses

Rule: Take 6 credits from the list below.

Select two from the following:		6
BMIS 465	Introduction to Real-time Data Analytics	
BMKT 440	Marketing Analytics	
CSCI 444	Data Visualization	
CSCI 447	Machine Learning	
CSCI 448	Pattern Recognition	
CSCI 464	Applications of Mining Big Data	
CSCI 480	Applied Parallel Computing Techniques	
CSCI 564	Applications of Mining Big Data	
CSCI 580	Applied Parallel Computing Techniques	
M 461	Practical Big Data Analytics	
M 462	Theoretical Basics of Big Data Analytics and Real Time Computation Algorithms	
Total Hours		6

Minimum Required Grade: C-

Big Data Analytics Certificate – Capstone Course

Rule: Take one of the following two courses.

BMIS 482	Big Data Project	3
or M 467	Big Data Analytic Projects	
Total Hours		3

Minimum Required Grade: C-

Management Information Systems B.S.

Bachelor of Science - Management Information Systems

School of Business Admin

Degree Specific Credits: 76

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Note: At least 54 credits must be earned in Business classes (ECNS, SoBA internship courses and SoBA faculty-led study abroad course may be counted in OR out of Business). A minimum GPA of 2.0 is required for these courses.

At least 60 credits must be earned outside of SoBA (excluding HHP/ACT activities courses).

At least 27 credits in business AND BMIS 476 must be taken at UM.

All business credits transferred in after matriculating to UM must be pre-approved by the department chair in your major.

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

Summary

SoBA - Primary Lower Core Courses	21
SoBA Math Requirement	3-4
SoBA – Secondary Lower Core Courses	12
SoBA - Upper Major Core	15
Management Information Systems - Requirements	16-21
Management Information Systems - Electives	6
SoBA - Capstone Courses	3
SoBA Upper-Division Writing Requirement	3
SoBA Symbolic Systems Requirement	3-4
SoBA Expressive Arts Requirement	3
SoBA Social Science Requirement	3
SoBA Ethical & Human Values Requirement	3
Total Hours	91-98

SoBA - Primary Lower Core Courses

Rule: All courses are required

Note: All primary lower core courses must be completed with a C- or better and a 2.0 GPA must be earned in the seven (7) listed course prior to admission into an upper-division Business Major.

A math course and a statistics course are also required in the primary lower core. See Math Requirements and Symbolic Systems Requirements below.

- Math 3-4 Credits
- Symbolic Systems 3-4 Credits

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BMIS 270	MIS Foundations for Business	3
ECNS 201S	Principles of Microeconomics	3
WRIT 101	College Writing I	3
Total Hours		15

Minimum Required Grade: C-

SoBA Math Requirement

Rule: Students choose one course from the list below to fulfill their Math Requirement

Note: SoBA requires that credit be earned for one of the math courses below (with a C- or better) before enrolling in ACTG 202.

A student's result on the ALEKS Math Placement Exam does not waive this requirement.

Select one of the following:		3-4
M 115	Probability and Linear Mathematics	
M 121	College Algebra	
M 151	Precalculus	
M 162	Applied Calculus	
Total Hours		3-4

Minimum Required Grade: C-

SoBA – Secondary Lower Core Courses

Rule: All courses are required

Note: All courses must be completed with a C- or better to satisfy prerequisites for certain major, upper major core, or capstone courses.

Students are advised to complete these courses prior to being admitted to an upper-division Business Major. Prerequisites are strictly enforced.

BGEN 220E	Business Ethics and Social Responsibility	3
COMX 111A	Intro to Public Speaking	3
CSCI 172	Intro to Computer Modeling	3
ECNS 202S	Principles of Macroeconomics	3
Total Hours		12

Minimum Required Grade: C-

SoBA - Upper Major Core

Rule: All courses are required

Note: All upper major core courses must be completed before the capstone can be taken.

A student must be listed as a major in business to take these courses. Major or minor in business is defined as junior standing with all primary lower core courses completed, a 2.0 cumulative GPA, and formally admitted to the major or minor.

BFIN 322	Business Finance	3
BGEN 361	Principles of Business Law	3
BMGT 322	Operations Management	3
BMGT 340	Mgmt & Organization Behavior	3
BMKT 325	Principles of Marketing	3
Total Hours		15

Minimum Required Grade: C-

Management Information Systems - Requirements

Rule: All courses are required

Note: BMIS 365, BMIS 370, and BMIS 476 must be taken at UM.

3 credits of BMIS 498 are required to graduate.

BMIS 326	Introduction to Data Analytics	3
BMIS 365	Business App Development	3
BMIS 372	Information Infrastructures	3
BMIS 373	Business System Analy & Design	3
BMIS 476	Integrated Project Mgmt for IS	3
BMIS 498	Internship	1-6
Total Hours		16-21

Minimum Required Grade: C-

Management Information Systems - Electives

Rule: Take 6 credits from the list below.

Note: Students taking ACTG 321 for an elective must also take the ACTG 203 co requisite course.

Select 6 credits from the following:		6
ACTG 321	Acct Information Systems I	
BMIS 370	Managing Information and Data	
BMIS 391	Special Topics	
BMIS 465	Introduction to Real-time Data Analytics	
BMIS 471	Fund of Network & Security Management	
BMIS 472	Advanced Network & Security Management	
BMIS 478	E Commerce a Managerl Prspctv	
BMIS 479	Introduction to Consulting	
BMIS 482	Big Data Project	
BMIS 491	Special Topics	
BMIS 492	Independent Study	
BMKT 460	Mktg Hi-Tech Prod & Innov	
CSCI 135	Fund of Computer Science I	
CSCI 136	Fund of Computer Science II	
CSCI 448	Pattern Recognition	
CSCI 464	Applications of Mining Big Data	
M 461	Practical Big Data Analytics	
STAT 451	Statistical Methods I	
Total Hours		6

Minimum Required Grade: C-

SoBA - Capstone Courses

Rule: All courses are required

Note: Students must complete all lower and upper core courses and their prerequisites and have an approved graduation application to register for their capstones.

Students must pass the required comprehensive exam as well as all requisite coursework to earn a passing grade in BGEN 499.

BGEN 499 must be taken at UM.

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Upper-Division Writing Requirement

Rule: All courses are required

BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

SoBA Symbolic Systems Requirement

Rule: Students complete STAT 216 (preferred) or one other course from the list below to fulfill the Symbolic Systems Requirement.

Note: This is a primary lower core course. SoBA requires that credit be earned for STAT 216 (preferred) or one of the other statistics courses below (with a C- or better) prior to being admitted into an upper-division SoBA major.

Select one of the following:		3-4
FORS 201	Forest Biometrics	
PSYX 222	Psychological Statistics	
SOCI 202	Social Statistics	
STAT 216	Introduction to Statistics (preferred)	
Total Hours		3-4

Minimum Required Grade: C-

SoBA Expressive Arts Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

COMX 111A	Intro to Public Speaking	3
Total Hours		3

Minimum Required Grade: C-

SoBA Social Science Requirement

Rule: All courses are required

Note: This is a primary lower core course and must be completed with a C- or better prior to a student being admitted into an upper-division SoBA major.

ECNS 201S	Principles of Microeconomics	3
Total Hours		3

Minimum Required Grade: C-

SoBA Ethical & Human Values Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

BGEN 220E	Business Ethics and Social Responsibility	3
Total Hours		3

Minimum Required Grade: C-

Davidson Honors College

Brock Tessman, Dean

The Davidson Honors College is a campus-wide association of faculty and students united by a common concern for academic and personal excellence. Its mission is to foster intellectual and civic values, and to support the best possible teaching and learning circumstances for participating faculty and students.

The College offers an academic and social home to talented and motivated students as they pursue their undergraduate education. Students from all major areas in the College of Humanities and Sciences and the professional schools are welcome, as well as students who are undecided about a major. Honors is not a major in itself, but an enhancement to General Education in the liberal arts and sciences as well as to virtually all undergraduate majors on campus.

The Honors College building, at the center of the campus, provides a large student lounge, study rooms, classrooms and a computer center for student use. The Honors Student Association plans and conducts a variety of social and academic activities as well as community service projects throughout the year. Special Honors residence hall floors and living units are available.

The Davidson Honors College also sponsors the University of Montana Office for Civic Engagement, an office that coordinates student service activities in the community and beyond, and supports the integration of community service experience into the academic curriculum.

Curriculum

In accordance with our mission, the DHC is committed to offering students the additional resources, challenges, and encouragement to be active and collaborative learners. DHC students are expected to:

- be intellectually curious;
- develop skills in critical thinking, analytic reasoning, and problem solving;
- increase their abilities to write and speak effectively;
- acquire skills and habits of community and public service;
- develop research and life-long learning skills and habits.

Honors students are expected to pursue these student learning outcomes inside the classroom and out, in their work and their recreation, volunteer service, membership in clubs and organizations, participation in campus and civic governance, independent study, pursuit of their hobbies and interests, and formal course work.

Honors courses are limited in enrollment to 20 students and usually are conducted in a discussion or seminar format. They emphasize critical thinking, the development of written and oral communication skills, direct contact with the faculty, and use of original texts or "hands-on," participatory experience. These courses are taught by outstanding faculty selected according to their department's standards of excellence. Course offerings vary somewhat and represent many academic departments and subject areas. Honors courses often fulfill General Education and many common major requirements.

At the junior and senior level students are offered a selection of Honors seminars. These seminars are open to students from all disciplines. The aim of these seminars is to assist students in applying different methods

of inquiry and research, in using the insights of various disciplines, in integrating the students' knowledge, and in developing well-informed personal stances toward the material and issues studied.

In their senior year, students complete an Honors thesis or research project, assuming responsibility, together with a faculty mentor, for an original scholarly research or creative project. This project may coincide with a departmental requirement, and is intended to prepare students to fulfill roles of intellectual, moral, and cultural leadership as they realize their places in society.

Assessment of Personal and Academic Goals

A college education invites students to formulate goals and reflect on their progress toward attaining them. Davidson Honors College students are responsible for evaluating their aims and attainments from year to year in collaboration with an advisor. Entering students are asked to assess their abilities and resources and begin to formulate interests and aims in light of the student learning outcomes mentioned previously.

Requirements

Davidson Honors College students are required to complete a minimum of seven Honors courses, including HONR 121L and a senior Honors research project (which may be counted as one Honors course). An Honors section of *Introduction to Humanities*, GH 151L GH 152L, may be counted as equivalent to HONR 121L. HONR 120, *Introduction to Honors*, also is required of all first-year students. As this is a one-credit course, it does not count toward the seven Honors courses required to graduate. Details are available in the Davidson Honors College office or on the DHC web site at www.dhc.umt.edu (<http://www.dhc.umt.edu>).

It also is recommended that all students include in their curriculum at least one course or independent study project that includes an experience of volunteer community service or study abroad.

To maintain good standing in the Davidson Honors College, students must take at least one Honors course per year and maintain an overall cumulative grade point average of 3.0 or above. Academic progress is reviewed each semester. Students whose grades are below the 3.0 standard are given an academic warning. A student whose cumulative grade point average falls below 3.0 is placed on academic probation and remains in this status until the cumulative grade point average rises to 3.0 or higher. Suspension from the Honors College occurs when the term grade point average of a student on probation is below 3.0. A suspended student may be reinstated when the cumulative grade point average rises to 3.0 or higher.

Graduation through the Davidson Honors College requires a cumulative grade point average of 3.0 or higher, and 3.4 in the major field. Upon successful completion of the requirements, students will receive their bachelor degrees as "University Scholars" in their respective majors and have this distinction noted on their diplomas. Graduation through the Davidson Honors College is not connected with the distinctions "with honors" and "with high honors" bestowed on the recommendation of major departments according to certain grade point averages and/or on the basis of exams or other means of assessment in the senior year.

Scholarships

The Davidson Honors College administers the Presidential Leadership Scholarships for incoming freshmen, and several other scholarship programs for currently enrolled students. For further information about

these scholarship programs, contact the Honors College. Honors students and those transferring from other institutions are eligible for the general scholarship program. For further information, contact the Financial Aid Office.

Admission to the DHC

Students applying to the Davidson Honors College should show evidence of academic talent and motivation. Generally, a minimum high school GPA of 3.5 is expected, as well as an ACT score of 27 or higher, or SAT combined score of 1800. These criteria are not absolute, and highly motivated students are encouraged to apply.

Applications are particularly welcomed from older or non-traditional students and students from varied racial and ethnic backgrounds. College transfer students with a record of strong academic performance (GPA of 3.5 or higher) also are welcome to apply. *The Davidson Honors College Application for Admission* must be postmarked or submitted online by . Note that all applicants to the Davidson Honors College also must complete a separate application for admission to the University of Montana-Missoula.

Presidential Leadership Scholarships

The Presidential Leadership Scholarships are the University of Montana's premier academic scholarships, recognizing outstanding talent, academic performance, leadership, and contribution to the community. These awards are renewable for four years, subject to satisfactory performance by the student. Each scholarship includes a full or partial tuition waiver, the value of which varies according to the amount of tuition each year.

Eligible candidates for the Presidential Leadership Scholarship must be recent high school graduates who have not previously enrolled as a regular college or university student. Recent finalists for the Presidential Leadership Scholarship posted an average of 3.98 GPA, SAT combined score of 2100, and ACT composite score of 32.

All Davidson Honors College applications for admission received by of each year will be considered for the Presidential Leadership Scholarship.

Contact:

The Davidson Honors College
University of Montana
Missoula, MT 59812
Phone: (406) 243-2541
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web site: <http://www.dhc.umt.edu>

College of Education and Human Sciences

Roberta D. Evans, Dean
Susan Harper-Whalen, Associate Dean

The Phyllis J. Washington College of Education and Human Sciences is comprised of five academic departments—

- Communicative Sciences and Disorders,
- Counselor Education,
- Curriculum and Instruction,
- Educational Leadership, and
- Health and Human Performance.

It is also the home for the Institute for Educational Research and Service (IERS).

Mission: The College of Education and Human Sciences shapes professional practices that contribute to the development of human potential. We are individuals in a community of lifelong learners, guided by respect for knowledge, human dignity, and ethical behavior. We work together producing and disseminating knowledge to advance the physical, emotional, and intellectual health of a diverse society.

The College of Education and Human Sciences coordinates the University of Montana Professional Education Unit, a unit comprised of initial teacher preparation at the elementary and secondary levels, and the advanced preparation of teachers, certified speech-language pathologists, educational leaders, school counselors, and school psychologists. The Department of Communicative Sciences and Disorders prepares professionals at the master's level in speech-language pathology. The Departments of Curriculum and Instruction, Educational Leadership and Counseling Education prepare professionals for careers in education with bachelor, master's, Education Specialist and Doctor of Education programs while the School Psychology Program, housed in the Psychology Department in the College of Humanities and Sciences, prepares students for careers in education with its master's, education specialist, and doctoral degrees. These programs are organized to foster the development of learning communities and incorporate three basic themes: integration of knowledge and experience; cooperation among participants; and inclusiveness, caring, and respect for others. The Professional Education Unit at the University of Montana is accredited by the National Council for Accreditation of Teacher Education (NCATE) (<http://www.ncate.org>), <http://www.ncate.org>.

The Communicative Sciences and Disorders, Counselor Education, and Health and Human Performance Departments all prepare professionals for careers in human service professions. Via its bachelor's degree in Communicative Disorders, the Communicative Sciences and Disorders Department prepares graduates qualified to work as clinical aides in speech-language pathology or audiology. Through its master's program in Speech-Language Pathology, the department produces professional students qualified to work as speech-language pathologists in schools and clinical settings. Students pursuing the Master of Arts in Counselor Education are prepared to work in a variety of community/agency settings. Upon completion of the program, graduates are prepared to sit for the Licensed Practical Counselor or Licensed Practical Clinical Counselor examination. Via its Bachelor and Master of Science degrees, the Department of Health and Human Performance prepares students in the areas of community health, athletic training, exercise science, and health enhancement. The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education.

Central to its research and outreach efforts with P/K-12 schools, the College of Education and Human Sciences' Institute for Educational Research and Service (IERS) designs, evaluates, and disseminates programs that support the well-being of students and communities. Since 1957, IERS has collaborated with numerous local, state, national, and federal organizations to provide effective, data-driven research models that enhance the social development and academic achievement of all learners. Externally sponsored teaching, research, and service activities are central to IERS. In addition, the College of Education and Human Sciences supports a Preschool Laboratories, Preschool Program, Health and Human Performance Laboratory and Technology Resource Center. These programs offer enhanced opportunities for student involvement and learning.

Specific program options within the College of Education and Human Sciences are described below and in the various departmental sections of this catalog. The web address for the college (<http://www.coehs.umt.edu>) is <http://www.coehs.umt.edu>.

Communicative Science and Disorders Department

Amy Glaspey, Chair

The Bachelor of Arts Degree in Communicative Sciences and Disorders prepares students for graduate study in speech-language pathology, audiology, various education specialties, business, and health care as well as such fields as developmental and cognitive psychology. The Master of Science degree in Speech Language Pathology provides students with the foundational knowledge and clinical skills in the field of speech language pathology to work in medical and educational settings with clients across the life span.

Undergraduate

- Communicative Sciences and Disorders B.A. (p. 84)

Undergraduate Certificate

- Communicative Sciences and Disorders Certificate (p. 85)

Communicative Sciences and Disorders B.A.

Bachelor of Arts - Communicative Sciences & Disorders

College of ED & Human Sciences

Degree Specific Credits: 67

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

Summary

Lower Core Courses	22
Upper Core Courses	24
Degree Electives	18-20
Biological Science Requirement	
Physical Science Requirement	
Statistics Requirement	
Psychology Requirement	
Modern and Classical Language Requirement	
Total Hours	64-66

Lower Core Courses

Rule: All courses listed are required

CSD 110	The Field of CSD	3
CSD 210	Speech & Lang Devel	3
CSD 221N	Fundamentals of Acoustics	3
CSD 222	Intro to Audiology	3
LING 270S	Intro to Linguistics	3
PSYX 100S	Intro to Psychology	3
PSYX 120	Research Methods I	3
Total Hours		21

Minimum Required Grade: C-

Upper Core Courses

Rule: All courses listed are required

BIOH 330	Anat & Phys Speech Mech	3
CSD 320	Phono Devel & Phonetics	3
CSD 345	Developmental Speech & Language Disorders	3
CSD 405	The Clinical Process	3
CSD 420	Speech Science	3
CSD 430	Senior Capstone	3
CSD 450	Intro to Aural Rehabilitation	3
Total Hours		21

Minimum Required Grade: C-

Degree Electives

Rule: Must complete the following subcategories

18 Total Credits Required

Biological Science Requirement

Rule: Choose 1 of the listed courses

Select one of the following:	3-4
BIOB 101N	Discover Biology
BIOB 160N	Principles of Living Systems
& BIOB 161N	and Prncpls of Living Systems Lab
Total Hours	3-4

Minimum Required Grade: C-

Physical Science Requirement

Rule: 1 chemistry or physics course, which must be at the 100-level or above and a minimum of 3 credits

Note: Student may take another approved physical science course.

Statistics Requirement

Rule: Choose 1 of the listed courses

Select one of the following:	3-4
PSYX 222	Psychological Statistics
SOCI 202	Social Statistics

STAT 216	Introduction to Statistics	
Total Hours		3-4

Minimum Required Grade: C-

Psychology Requirement

Rule: Choose 1 of the listed courses

PSYX 230	Developmental Psychology	3
or PSYX 233	Fund of Psychology of Aging	
Total Hours		3

Minimum Required Grade: C-

Modern and Classical Language Requirement

Rule: Choose a sequence of 2 semesters

Note: Student must take a sequence (2 semesters) of a modern or classical language.

Suggested Course of Study

First Year

CSD 110	The Field of CSD	3
PSYX 100S	Intro to Psychology	3
M 115	Probability and Linear Mathematics	3
WRIT 101	College Writing I	3
LING 270S	Intro to Linguistics	3
BIOB 101N	Discover Biology	3
or BIOB 160N	Principles of Living Systems	

Second Year

BIOH 330	Anat & Phys Speech Mech	3
CSD 210	Speech & Lang Devel	3
CSD 221N	Fundamentals of Acoustics	3
CSD 222	Intro to Audiology	3
PSYX 120	Research Methods I	3
PSYX 230	Developmental Psychology	3
or PSYX 233	Fund of Psychology of Aging	

Third Year

Select one from the following:		3
STAT 216	Introduction to Statistics	
PSYX 222	Psychological Statistics	
SOCI 202	Social Statistics	
CSD 320	Phono Devel & Phonetics	3

Fourth Year

CSD 405	The Clinical Process	3
CSD 420	Speech Science	3
CSD 430	Senior Capstone	3
CSD 450	Intro to Aural Rehabilitation	3
CSD 480	Multicultural Issues	3
Total Hours		57

Communicative Sciences and Disorders Certificate

Minor - Communicative Sciences & Disorders

College of ED & Human Sciences

Degree Specific Credits: 18

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Summary

Core Courses	12
Minor Electives	6
Total Hours	18

Core Courses

Rule: Students must complete the following courses

CSD 110	The Field of CSD	3
CSD 210	Speech & Lang Devel	3
CSD 222	Intro to Audiology	3
LING 270S	Intro to Linguistics	3
Total Hours		12

Minimum Required Grade: C-

Minor Electives

Rule: Choose at least 6 upper division credits from the list

Select at least 6 credits from the following:		6
CSD 320	Phono Devel & Phonetics	
CSD 345	Developmental Speech & Language Disorders	
CSD 365	Acquired Speech and Language Disorders	
CSD 491	Special Topics	
Total Hours		6

Minimum Required Grade: C-

Counselor Education Department

John Sommers-Flanagan and Kirsten Murray, Co-Chair

The Counselor Education program educates students for employment in school (K-12 and higher education) and community mental health and human service settings. Counselors are practitioners, consultants, and coordinators who assist in problem solving, decision-making skills, personal growth and development, and individual, family school, and/or career issues. Counselors receive training in the eight core areas identified by the American Counseling Association Council for Accreditation of Counseling and Related Educational Programs:

1. human growth and development,
2. social and cultural foundations,
3. the helping relationship,
4. group theories and methods,

5. career and lifestyle development,
6. client assessment and evaluation,
7. research and program evaluation, and
8. professional orientation.

We offer a School Counseling M.A., a Mental Health Counseling M.A., and an Interdisciplinary M.A. Each option requires additional specialty courses and comprehensive written and oral examinations focused on the student's career track. The more advanced graduate degrees (Ed.S. and Ed.D.) develop depth, supervisory, and leadership skills in these areas.

The Department of Counselor Education is also the academic home for an interdisciplinary masters degree in Global Youth Development. Students in this program are prepared for humanitarian and advocacy work, focusing specifically on youth and family development across cultures. Requirements include one year of campus-based course work and an approved internship of at least two semesters duration working with youth and family concerns. GYD is a Peace Corps Master's International program, and the expectation therefore is that students will complete the Internship requirement by serving as U.S. Peace Corps Volunteers abroad. For further information and course listings, see the IYFD website (<http://coehs.umt.edu/departments/counselor/IYFD/default.php>): <http://coehs.umt.edu/departments/counselor/IYFD/default.php>

Graduate Programs

The M.A., Ed.S., and Ed.D. are offered in Counselor Education. An interdisciplinary M.A. is offered in Global Youth Development. Information regarding specific requirements and program options is available from the Phyllis J. Washington College of Education and Human Sciences. For more information, please refer to the University of Montana Graduate Programs and Admissions Catalog. Graduate programs are accredited by NCATE and CACREP.

Admission to Counseling

Applicants for this program should contact the Department for more specific admissions information. Requirements include official transcripts from all undergraduate and graduate institutions attended; three current letters of recommendation; and a letter of application stating academic and professional background, purpose in obtaining the degree, and thoughts about eventual employment and career direction. Applicants have the option to include GRE scores. Priority deadline is February 15th with complete applications reviewed after this date on a space available basis. Admission is competitive.

Certification Requirements

The Counselor Education, M.A., School Counseling option, leads to licensure at the Class IV level.

Educational Leadership Department

John Matt, Chairman, Educational Leadership

The **Educational Leadership** knowledge base emphasizes the realities of the workplace, blending practical tasks with the conceptual models of effective leadership. The model uses leadership assessment and problem-based learning throughout nine curricular strands:

- change/future,
- leadership,

- research community,
- communication,
- assessment/program evaluation,
- management,
- diversity,
- curriculum, and
- professionalism/socialization.

Students at both degree levels experience integrated coursework, performance-based assessment, and exit interviews on completion of the degree programs.

Programs

The M.Ed., Ed.S., Administrative Licensure, and Ed.D. are offered in education administration and supervision. Information regarding specific requirements and program options is available from the Phyllis J. Washington College of Education and Human Sciences. For more information, please refer to the University of Montana Graduate Programs and Admissions Catalog. Graduate programs are accredited by The National Council for Accreditation of Teacher Education (NCATE) and The Montana Board of Public Education (BPE).

Admission to Educational Leadership

The Program Admissions Committee has established policies and standards for admission which include

- the GRE (verbal and quantitative);
- three letters of recommendation (one from an immediate supervisor);
- official transcripts for all undergraduate and graduate coursework;
- qualifying examination; and
- interviews (doctoral).

Contact the Department for details.

Certification Requirements

Education Leadership degree and administrative licensure programs lead to Montana Class 3 Administrative Licensure with either a K-12 Principal or Superintendent endorsement. Please note that in addition to the coursework and degree requirements, the State of Montana also requires licensed teaching, school counseling, or administrative experience for the Class 3 license.

Courses (Check master schedule for availability of all courses)

R- before the course description indicates the course may be repeated for credit to the maximum indicated after the R-

Global Youth Development Department

Lindsey Nichols, Assistant Professor of Counselor Education, Director

Housed in the Department of Counselor Education, this interdisciplinary master's degree program is designed for students who wish to engage in culturally-relevant volunteer work or paid employment in the realm of child and family assistance. It is affiliated with the United States Peace Corps as a partner school for their master's international program. Requirements include one year of full-time instruction at UM, a significant period of time engaging in internship work in an applied intercultural

setting, and a final professional paper or thesis. Internships will typically be 1-2 years and will involve work in a culture other than one's own. Students participating in this program are expected to gain the following background and competencies:

- important interculturally-informed helping skills for working with youth, women, families and communities in culture other than their own
- a solid background in issues, concerns, and critiques regarding assistance and interventions across culture, both historically and currently
- the opportunity to pursue and participate in a significant field experience, working with an established helping agency in another culture or country

Undergraduate Minor

- Human and Family Development (p. 333)

Health and Human Performance Department

Scott Richter, Chair

Vision

Health and Human Performance Professionals

Creating a Healthy, Progressive Global Community

Mission

In pursuit of our vision, the Department of Health and Human Performance (HHP) prepares quality graduates to be ethical and competent entry level professionals in health and human performance related occupations or candidates for advanced study in related disciplines. Within the liberal arts tradition of the University of Montana and the mission of the College of Education and Human Sciences, the Department of Health and Human Performance engages in professional education, scholarly activity, and meaningful public service. The department emphasizes mental, social, spiritual, and physical dimensions of health to promote healthy lifestyle choices and enhanced quality of life.

The Health and Human Performance Department has established the following goals in support of our vision and mission:

- **Promote** an understanding and appreciation for the scope of the profession
- **Enhance** student awareness of the departmental mission and goals
- **Coordinate** student development of the basic skills germane to effective practice as health and human performance professionals or successful pursuit of advanced studies
- **Cultivate** higher-order thinking skills that increase student involvement and interest in their own learning, promoting a lifelong quest for knowledge
- **Nurture** cognition of the multiple dimensions of health (physical, intellectual, emotional, spiritual, social and environmental)
- **Advocate** respect for the uniqueness and dignity of others.

Undergraduate students major in Health & Human Performance (HHP). HHP majors choose from one of the following five concentrations:

1. Community Health and Prevention Sciences (p. 91),
2. Exercise Science Applied (p. 90),
3. Exercise Science Pre-Athletic Training (p. 87),
4. Exercise Science Pre-Professional (p. 94), or
5. Health Enhancement (p. 93).

The **Community Health and Prevention Sciences concentration** prepares students with knowledge and skills related to assessing individual and community needs prior to planning, implementing, and evaluating programs designed to encourage healthy lifestyles and environments. Individuals who will be most successful in the community health option are those who are deeply interested in the interrelationship among all aspects of health (social, emotional, mental, spiritual and physical) and in the life and behavioral sciences. In addition, success in this field requires imagination and creativity in applying scientific knowledge to strategies for individual and community change through a wide range of educational, environmental and political approaches. Graduates of this program will be prepared to take the National Certification Exam for Health Education Specialists.

There are three options **Exercise Science**:

- Pre-Professional,
- Applied, and
- Pre-Athletic Training.

The **Pre-Professional concentration** is for students planning to continue on in higher education and is designed to provide students with an in-depth science background and prepares students for post-baccalaureate study in exercise physiology and related health sciences such as medical school, physical therapy, physician's assistant, athletic training, occupational therapy or other medical programs. There are adequate electives in this program for most students to complete the required pre-requisite courses for graduate health science degrees. Successful graduates of this option should possess the knowledge and skills to qualify for the American College of Sports Medicine Certified Clinical Exercise Physiologist certification (requires additional clinical hours).

The **Applied concentration** is designed to prepare students for jobs as strength and conditioning coaches, athletic coaches, personal trainers, elderly services providers, corporate wellness personnel and directors, fitness center directors and other fitness related jobs or graduate studies in Exercise Science. Successful graduates of this track should possess the knowledge and skills to qualify for the American College of Sport Medicine Certified Exercise Physiologist certification and/or National Strength and Conditioning Association Certified Strength and Conditioning Specialist.

The **Pre-Athletic Training concentration** is designed for students interested in applying for the Master's in Athletic Training Program (see information below).

The **Health Enhancement** concentration prepares students to use a variety of educational strategies designed to facilitate the adoption of healthy behaviors in K-12 students. Upon acceptance into the College of Education and Human Sciences, and successful completion of the course requirements, students will be eligible for a Montana K-12 teaching license. See Admission Policies below.

The **Master's in Athletic Training** Program prepares competent entry-level athletic trainers for employment in educational and clinical settings or post-graduate study. The Athletic Training curriculum is designed to help students develop competency in evidence based medicine, prevention

and health promotion, clinical examination and diagnosis, acute care of injury and illness, therapeutic interventions, psychosocial strategies and referral, healthcare administration and professional development and responsibility. Successful graduates should possess the knowledge and skills to qualify for the Board of Certification Examination.

The graduate curriculum in Health and Human Performance at the University of Montana prepares post-graduates to become effective health and human performance professionals or competitive candidates for advanced study in related disciplines through a comprehensive program of study and guided research. Development of the following is considered essential in achieving a graduate degree:

1. Oral and written communication skills,
2. An understanding of current research literature in one's chosen specialization and the independent pursuit of learning beyond the confines of curricular requirements,
3. Appropriate technological skills,
4. Ability to design, conduct, and report research in a scholarly fashion,
5. Personal characteristics, sense of responsibility, and professional behavior requisite for effective functioning as an advanced health and human performance professional.

Graduate concentrations include:

- Exercise Science,
- Community Health and Prevention Sciences,
- Athletic Training and
- a generalist degree in Health and Human Performance.

For more information regarding the department's graduate program refer to either:

The University of Montana Graduate Programs and Admissions catalog (<http://www.umt.edu/grad>): <http://www.umt.edu/grad/>

The College of Education and Human Sciences Graduate website (http://coehs.umt.edu/departments/hhp/graduate_programs/default.php): http://coehs.umt.edu/departments/hhp/graduate_programs/default.php

Activity Classes

The HHP department also provides a large activity program (ACT classes numbered 100-287, ACTV 189 and HHP 170) which includes instruction in a wide variety of individual, team, recreational, and fitness activities. Goals of this program include helping students:

1. Develop and maintain long-term health-related fitness,
2. Develop motor performance skills that facilitate regular and continuous participation in physical activity, and
3. Develop the adult "inner athlete" who continually strives to reach optimal potential through involvement in challenging endeavors.

Any University of Montana student may elect to apply up to four credits toward a baccalaureate degree. For descriptions of the activity classes offered, refer to the website at http://coehs.umt.edu/departments/hhp/activity_classes/default.php.

Special Degree Requirements

Refer to graduation requirements (p. 28) in the catalog. See index.

Students must fulfill the requirements listed below. All HHP majors must earn a minimum grade of a C- in all required courses, including prerequisites, except for special cases of higher requirements in Athletic Training and Health Enhancement noted below. In-department and out-of-department courses specifically listed in this catalog as requirements for Health and Human Performance majors must be taken for a traditional letter grade.

The University of Montana symbolic systems requirement is met by completing one of the following statistics courses and any pre-requisite courses:

STAT 216	Introduction to Statistics	4
PSYX 222	Psychological Statistics	3
SOCI 202	Social Statistics	3
WILD 240	Intro to Biostatistics	3
EDU 421	Statistical Procedures in Educ	3

All options must meet this requirement.

Admission Policies for Health Enhancement Option

The Health Enhancement option is designed for individuals who wish to teach in K-12 school systems. Application for admission to the College of Education must be made (refer to <http://coehs.umt.edu/departments/hhp/default.php>). Applications are accepted twice a year; however, the number of students admitted into the program is limited. Application is made no sooner than after the completion of 30 hours of course work. A cumulative GPA of 2.75 is necessary for application.

To successfully complete the program in Health Enhancement, a student must receive a grade of C (2.00) or above in every course in the following areas:

- teaching major,
- professional education courses,
- a drug abuse course,
- PSYX 100S, WRIT 101, and EDU 481. These courses must be taken as a traditional letter grade.

Admission Policies for the Masters in Athletic Training Degree Program Athletic Training Program (ATP)

The University of Montana-Missoula offers an accelerated entry level Master's in Athletic Training program housed within the Health and Human Performance Department. The program meets the standards established by the Commission on Accreditation of Athletic Training Education (CAATE). The Master's in AT Program was granted CAATE accreditation in 2015. The ATP is a demanding curriculum which requires dedication and commitment. Upon completion there are a variety of professional career opportunities.

The University of Montana offers an accelerated Master's in Athletic Training Program. This program allows students to take three years of pre-requisite courses and general education requirements, followed by 2 years full time in a Master's in Athletic Training program, including summers. There are two ways in which a student may attain a Master's Degree in Athletic Training:

Option 1: A five-year program in which students earn a Bachelor of Science Degree in Health and Human Performance and a Master's Degree in Athletic Training.¹

Option 2: A two-year master's program designed for students who already have a baccalaureate degree.

Upon completion of the Master's in Athletic Training Program, students will be eligible to sit for the Board of Certification (BOC) Exam.

¹ Both the Bachelor's degree and Master's degree will be officially awarded at the time of graduation.

Following are the requirements for application, admission, and retention of the Athletic Training Program (ATP). Academic advisors are available to assist students with this interesting and challenging professional program.

Admission. Students who desire admission into the Master's in Athletic Training Program must submit a formal application. This application must be submitted by the deadline (February 1st) prior to your proposed admission into the professional program. If the application deadline falls on a weekend, applications may be submitted the next business day by 5pm. Applications received after the deadline will be considered on a rolling admissions basis if available slots exist.

A review board consisting of the Athletic Training Program Director, Clinical Director, Preceptors, professional students and possibly other professionals, will evaluate each student applying for admission to the professional program. Formal notification of admission to the Master's program will be made in writing.

Candidates who are NOT admitted to the program will also receive written notification of this decision. Students may be selected as alternates and if a vacancy should become available prior to summer semester, these students will be informed. Not all qualified candidates may be admitted to the Master's program due to limited enrollment in clinical experiences.

For more information on applying to the professional program, please go to the website (<http://coehs.umt.edu/umat/applications.php>) at: <http://coehs.umt.edu/umat/applications.php>.

ADMISSION REQUIREMENTS FOR PROFESSIONAL ATHLETIC TRAINING PROGRAM (ATP)

1. Students must apply and be accepted to the University of Montana's Graduate School website (<http://www.umt.edu/grad/Apply/Graduate%20Degree%20Admission.php>) <http://www.umt.edu/grad/Apply/Graduate%20Degree%20Admission.php>
2. Students must have a minimum GPA of 3.0 for all college coursework (a GPA below 3.0 may be considered)
3. Completed pre-requisite courses (students may be enrolled in pre-requisite courses at time of application)
4. Official transcript(s) of all college coursework

Professional ATP

As a student in the Athletic Training Program at the University of Montana, students must meet the following retention standards:

- Enroll as a full-time student (unless approved by Program Director)
- Maintain a cumulative grade point average of 3.0 or higher

- Achieve no more than 2 "C" grades in graduate courses
- Achieve satisfactory evaluations in each Clinical Phase before progressing
- Successfully complete coursework in the sequence indicated by the program of study unless approved by Athletic Training Program Director
- Abide by the Code of Ethics of the University and those established by the National Athletic Trainers' Association

Students are expected to complete at least 20 hours every two weeks and a maximum of 60 hours in two weeks and many of those hours may be during evenings and weekends. Students who fail to meet the retention criteria will be placed on probation in the Athletic Training Program for a maximum of two semesters. This may limit progress of course sequencing and clinical phases. If standards are not met by the end of the probationary period, the student will be dismissed from the Athletic Training Program. Students who are placed on probation may require remediation as deemed appropriate by the Program Director.

For further information on clinical education requirements, please visit the athletic training website.

Additional Costs Associated with ATP Program

There will be additional costs (above tuition and fees) for the clinical rotations.

- Program fee: there is an additional fee of \$925/semester in addition to regular tuition of fees. This fee will help cover the cost of lab equipment, accreditation costs, adjunct teaching, and software.
- Other costs may include, but are not limited to:
 - Criminal Background Check (\$55),
 - Initial NATA Membership Fee (approximately \$60),
 - Polo Shirts (\$30), and
 - Medical Pack/Kit (\$30).

Transportation is needed for all off-campus clinical sites. Each student will have a minimum of one off-campus site.

General HHP Program Requirements

First Aid and CPR Exit Certifications

All Health and Human Performance students are required to have the appropriate certification in first aid/emergency care and CPR at graduation. The following certifications will meet this competency:

Any one of the following current first aid/emergency care certifications:

- American Academy of Orthopedic Surgeons (AAOS) - Emergency Medical Responder
- National Safety Council Level - First Responder
- Wilderness First Responder
- American Heart Association - First Responder

Plus one of the following CPR certifications:

- American Heart Association (Health Care Provider)
- American Red Cross (Professional Rescuer)

Or Certification as an Emergency Medical Technician

Health and Human Performance students may use available elective credits to take ECP 120/ECP 121 to meet this competency, or they may

elect to fulfill the competency through one of the department approved agencies. Academic credit for ECP 120/ECP 121 will not be awarded for certifications earned at off-campus approved agencies other than the Health and Human Performance Department at the University of Montana.

Upper-division Writing Expectation

The HHP Department offers three upper-division writing courses to fulfill the General Education writing requirements; KIN 447, AHAT 342 and HEE 301. Exercise Science and Community Health and Prevention Sciences students are required to complete KIN 447 or AHAT 342, and Health Enhancement students are required to complete HEE 301.

Undergraduate students must complete requirements for a minimum of one of the options listed below. The typical student may take more than four years to complete these requirements, especially in the Health Enhancement option.

Undergraduate

- Health & Human Performance B.S., Community Health & Prevention Sciences Concentration (p. 91)
- Health & Human Performance B.S., Exercise Science - Applied Concentration (p. 90)
- Health & Human Performance B.S., Exercise Sciences - PreProfessional Concentration (p. 94)
- Health & Human Performance B.S., Health Enhancement Concentration (p. 93)

Undergraduate Certificate

- Health Behavior Coaching Professional Certificate (p. 92)

Applied Exercise Science B.S.

Bachelor of Science - Health & Human Performance; Exercise Science - Applied Concentration

College of ED & Human Sciences

Degree Specific Credits: 105

Required Cumulative GPA: 2.0

Catalog Year: 2017-2017

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umd.edu/academics/general-education-requirements>) of the catalog.

Summary

Lower Division Departmental Required Courses	13
Outside Major Lower Division Required Courses	38-41
Upper Division Departmental Required Courses	22-25
Outside Major Upper Division Required Courses	8
Elective Courses	18
Total Hours	99-105

Lower Division Departmental Required Courses

Rule: All courses are required.

Note: Students should take ECP 120, ECP 121 within two years of graduation, in order to ensure current certification. Students may substitute outside Emergency Medical Responder Certification for these courses.

ECP 120	Emergency Medical Responder Lecture	3
ECP 121	Emergency Medical Responder Lab	1
KIN 201	Basic Exercise Prescription	3
KIN 205	Foundations of HHP	3
NUTR 221N	Basic Human Nutrition	3
Total Hours		13

Minimum Required Grade: C-

Outside Major Lower Division Required Courses

Rule: All courses are required.

Note: Students interested in Medical School should pay special attention to those additional requirements. Please meet with the Medical School Adviser in the HHP Department if you intend to also major in Pre-Medical studies.

BIOB 160N	Principles of Living Systems	3
BIOB 161N	Prncpls of Living Systems Lab	1
CHMY 121N	Introduction to General Chemistry	3
CHMY 123	Introduction to Organic and Biochemistry	3
CHMY 141N	College Chemistry I	4
COMX 111A	Intro to Public Speaking	3
Select one of the following:		4-6
M 151	Precalculus	
M 121 & M 122	College Algebra and College Trigonometry	
PHSX 205N	College Physics I	4
PHSX 206N	College Physics I Laboratory	1
PSYX 100S	Intro to Psychology	3
Select one of the following:		3-4
STAT 216	Introduction to Statistics	
PSYX 222	Psychological Statistics (must be pre-approved by advisor)	
SOCI 202	Social Statistics (must be pre-approved by advisor)	
WILD 240	Intro to Biostatistics (must be pre-approved by advisor)	
EDU 421	Statistical Procedures in Educ (must be pre-approved by advisor)	
WRIT 101	College Writing I	3
Select one of the following:		3
WRIT 121	Intro to Technical Writing	
WRIT 201	College Writing II	
WRIT 222	Technical Approach to Writing	
Total Hours		38-41