



MONTANA STATE UNIVERSITY-BILLINGS
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
INFORMATION SYSTEMS OPTION
GENERAL BULLETIN 2003-2005

Access & Excellence

Advising Center
Phone: 406-657-2240
Fax: 406-657-2280
advising@msubillings.edu

Name _____

Student ID # _____

GENERAL EDUCATION REQUIREMENTS – SEE PAGE 4 FOR SPECIFIC COURSES

| General Education Category | Course # | Credits | Grade | Semester | Equivalent |
|--|---------------------|---------|-------|----------|------------|
| Category I: Writing (6 cr.) | *ENGL 150 | 3 | | | |
| | ENGL 301 | | | | |
| Category II: Oral Skills (3 cr.) | | | | | |
| Category III: Mathematics (3 cr.) | *MATH 121 or 112 | | | | |
| Category IV: Natural Sciences (7 cr.) (1 life science/1 physical science/1 lab) | | | | | |
| | | | | | |
| | | | | | |
| Category V: Social Sciences (6 cr.) (2 courses from separate prefixes) | *ECON 200 | | | | |
| | | | | | |
| Category VI: History (3 cr.) | | | | | |
| Category VII: Cultural Diversity (3 cr.) | | | | | |
| Category VIII: Fine Arts (3 cr.) | | | | | |
| Category IX: Integrated Humanities (3 cr.) | | | | | |

**Business majors must pass all "*" courses with a grade of "C" or better prior to taking 300 and 400 level Business courses. Students must complete all courses required for a Business major with a "C" or better grade.*

Students should consult with their advisors to determine if specific courses are necessary in order to satisfy the General Education requirements within this program.

Certain courses in this program have prerequisites; students should check the course descriptions for required prerequisites.

| CATEGORY I: WRITING | | | 6 |
|---|---------------------------------------|--|----------|
| ENGL 150 | College Composition | | 3 |
| ENGL 210 | Technical Writing | | 3 |
| ENGL 226 | Research Writing | | 3 |
| ENGL 301 | Business Communications | | 3 |
| CTCM 202 | Business Communication | | 3 |
| CTCM 203 | Technical Communication | | 3 |
| CATEGORY II: ORAL SKILLS | | | 3 |
| COMT 101 | Fundamentals of Communication | | 3 |
| COMT 110 | Interpersonal Communication | | 3 |
| COMT 130 | Introduction to Public Speaking | | 3 |
| FREN 202 | Intermediate French II | | 3 |
| GERM 202 | Intermediate German II | | 3 |
| SPAN 202 | Intermediate Spanish II | | 3 |
| CTCM 109 | Human Relations | | 3 |
| CTCM 130 | Introduction to Public Speaking | | 3 |
| CATEGORY III: MATHEMATICS | | | 3 |
| FIN 201, 202, 203 | Personal Financial Planning... | | 3 |
| MATH 106 | College Algebra | | 3 |
| MATH 107 | Precalculus | | 5 |
| MATH 112 | Calculus I | | 4 |
| MATH 121 | Finite Mathematics | | 4 |
| MATH 141 | Contemporary Mathematics | | 3 |
| MATH 161 | Mathematics for Health Sciences | | 4 |
| STAT 141 | Introduction to Statistics | | 3 |
| STAT 241 | Statistical Methods | | 4 |
| CTCM 122 | College Mathematics for Technology | | 3 |
| CATEGORY IV: NATURAL SCIENCE | | | 7 |
| <i>Students are required to take one course from each subcategory and at least one corresponding lab or SCIN 101, 102 & 103</i> | | | |
| <i>Subcategory A – Life Sciences</i> | | | |
| BIOL 101 | Survey of Biology | | 3 |
| BIOL 115 | Survey of Biology Lab | | 1 |
| BIOL 178 | Principles of Biology | | 3 |
| BIOL 188 | Principles of Biology Lab | | 1 |
| <i>Subcategory B – Physical Sciences</i> | | | |
| CHEM 104 | Fund of General & Organic Chemistry | | 3 |
| CHEM 105 | Fund of General & Organic Chem Lab | | 1 |
| CHEM 115 | General Chemistry I | | 3 |
| CHEM 118 | General Chemistry I Lab | | 1 |
| EASC 100 | Lithosphere and Hydrosphere | | 3 |
| EASC 101 | Lithosphere and Hydrosphere Lab | | 1 |
| EASC 120 | Historical Geology & Paleontology | | 3 |
| EASC 121 | Historical Geology & Paleontology Lab | | 1 |
| GEOG 100 | Physical Geography Lab | | 1 |
| GEOG 101 | Physical Geography | | 3 |
| PHYS 101 | Earth, Air, Fire and Water | | 3 |
| PHYS 102 | Earth, Air, Fire and Water Lab | | 1 |
| PHYS 110 | College Physics I | | 3 |
| PHYS 111 | College Physics I Lab | | 1 |
| PHYS 201 | Introduction to Astronomy | | 3 |
| PHYS 203 | Introduction to Astronomy Lab | | 1 |
| SCIN 101, 102, 103 | Integrated Science I, II, III | | 3, 1, 3 |
| CATEGORY V: SOCIAL SCIENCE | | | 6 |
| <i>Two courses from separate prefixes</i> | | | |
| BUS 101 | Introduction to Business | | 3 |
| ECON 200 | Principles of Microeconomics | | 3 |
| ECON 201 | Principles of Macroeconomics | | 3 |
| EDF 100 | Educ Persons for a Democratic Society | | 3 |
| POLS 101 | Introduction to Government | | 3 |
| POLS 212 | United States Government | | 3 |
| PSYC 101 | General Psychology | | 3 |
| SOCL 101 | Introduction to Sociology | | 3 |
| SOCL 212 | Physical Anthropology & Archeology | | 3 |
| SOCL 221 | Social Problems | | 3 |

| CATEGORY VI: HISTORY | | | 3 |
|---|---|--|----------|
| HIST 104 | History of World Civilization to 1500 | | 3 |
| HIST 105 | History of World Civilization Since 1500 | | 3 |
| HIST 106 | Honors: History of Western Civ to 1648 | | 3 |
| HIST 107 | Honors: History of Western Civ since 1648 | | 3 |
| HIST 109 | Current World Problems | | 3 |
| HIST 204 | United States History to 1877 | | 3 |
| HIST 205 | United States History Since 1877 | | 3 |
| POLS 221 | International Relations | | 3 |
| CATEGORY VII: CULTURAL DIVERSITY | | | 3 |
| ART 131 | Global Visual Culture | | 3 |
| A&SC/SOCL 250 | Women, Culture and Society | | 3 |
| GEOG 102 | World Geography | | 3 |
| GEOG 120 | Environment and Culture | | 3 |
| HIST 351 | History of Islamic Civilization | | 3 |
| HIST 353 | The Middle East in the Twentieth Century | | 3 |
| MUSC 150 | Musics of the World | | 3 |
| NAMS 181 | Introduction to Native American Studies | | 3 |
| NAMS 211 | Social Issues of the Native American | | 3 |
| PHIL 105 | The Religious Quest | | 3 |
| PHIL 233 | Phil & Religions of India | | 3 |
| PHIL 234 | Phil & Religions of China, Tibet & Japan | | 3 |
| SOCL 211 | Cultural Anthropology | | 3 |
| SPAN 150 | The Hispanic Tradition | | 3 |
| CATEGORY VIII: FINE ARTS | | | 3 |
| ART 110 | Art Studio Essentials for Non-Art Majors | | 3 |
| ART 142 | Introduction to Pottery | | 3 |
| ART 161 | Introduction to Drawing | | 3 |
| COMT 150 | Introduction to Theater | | 3 |
| COMT 155 | Global Cinema | | 3 |
| COMT 250 | Introduction to Acting | | 3 |
| ENGL 160 | Reading and Responding to Literature | | 3 |
| ENGL 204 | Fundamentals of Creative Writing | | 3 |
| ENGL 280 | Fiction into Film | | 3 |
| MUSC 100 | Music Appreciation | | 3 |
| MUSC 160/360 | Symphonic Band | | 1 |
| MUSC 162/362 | Concert Choir | | 1 |
| MUSC 168/368 | Jazz Ensemble | | 1 |
| PHIL 303 | Classical Mythology | | 3 |
| CTDR 248 | CAD Presentations | | 3 |
| CATEGORY IX: INTEGRATED HUMANITIES | | | 3 |
| ART 132 | Art History Survey | | 3 |
| ENGL 260 | World Foundations of Literature | | 3 |
| HON 181 | The Ancient and Medieval Worlds | | 3 |
| HON 182 | The Renaissance and Modern Worlds | | 3 |
| MUSC 340 | Music History to 1750 | | 3 |
| MUSC 341 | Music History 1750 to the Present | | 3 |
| PHIL 107 | Philosophical Inquiry | | 3 |
| PHIL 115 | Ethics | | 3 |
| PHIL 117 | Philosophies of Life | | 3 |
| PHIL/ENGL 240 | The Bible as Literature | | 3 |
| PHIL 250 | Christianity | | 3 |
| PHIL 301 | Death, Dying, and Medical Ethics | | 3 |
| PHIL 311 | Environmental Ethics | | 3 |
| PHIL 314 | Business Ethics | | 3 |

| | | Course | Credits | Grade | Semester | Equivalent |
|----------------------|-----|---|---------|-------|----------|------------|
| Required Core | | | | | | |
| *ACCT | 233 | Principles of Accounting I | 3 | | | |
| *ACCT | 234 | Principles of Accounting II | 3 | | | |
| BUS | 205 | Business Law | 3 | | | |
| BUS | 315 | Applied Business Decisions | 3 | | | |
| *ECON | 201 | Principles of Macroeconomics | 3 | | | |
| FIN | 351 | Principles of Financial Management | 3 | | | |
| *MIS | 225 | Introduction to Productivity Application Software | 3 | | | |
| MGMT | 321 | Principles of Management | 3 | | | |
| MGMT | 322 | Operations Management | 3 | | | |
| MGMT | 488 | Business Strategy | 3 | | | |
| MKT | 340 | Principles of Marketing | 3 | | | |
| *STAT | 241 | Statistical Methods | 3 | | | |

**Business majors must pass all “*” courses with a grade of “C” or better prior to taking 300 and 400 level Business courses. Students must complete all courses required for a Business major with a “C” or better grade.*

Option in Information Systems

| | | | | | | |
|-----|-----|---|---|--|--|--|
| MIS | 244 | Operating Systems, Algorithms, Data Structures and Hardware | 3 | | | |
| MIS | 245 | Introduction to Programming | 3 | | | |
| MIS | 252 | Microcomputer Database | 3 | | | |
| MIS | 330 | Principles of Management Information Systems | 3 | | | |
| MIS | 355 | Objected Oriented Programming | 3 | | | |
| MIS | 365 | Database Management | 3 | | | |
| MIS | 410 | Systems Analysis and Design | 3 | | | |

Restricted Electives

Select three courses from the following:

| | | | | | | |
|-----|-----|--|---|--|--|--|
| MIS | 310 | Web Design, Development and Implementation | 3 | | | |
| MIS | 350 | Cobol Programming | 3 | | | |
| MIS | 372 | Advanced Database Programming | 3 | | | |
| MIS | 424 | Information Resource Management | 3 | | | |
| MIS | 472 | Business Geographic Information Systems | 3 | | | |
| MIS | 480 | Applied Systems Development | 3 | | | |
| MIS | 482 | Advanced Visual Basic | 3 | | | |
| MIS | 491 | Independent Study | 3 | | | |
| MIS | 492 | Seminar (limit 2-6 credits) | 3 | | | |
| BUS | 490 | Internship | 3 | | | |

