

General Curriculum Report #260

UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE

November 12, 2010

TO: MEMBERS OF THE UNIVERSITY OF IDAHO FACULTY

The items listed below, approved by the University Curriculum Committee, will be considered to have the necessary faculty approvals unless a petition requesting further consideration of specific items is signed by five faculty members and submitted to the chair of the Faculty Council within 14 calendar days after the date of circulation. If no petition is received within 14 days, the entire report will be submitted to the president for approval and transmittal to the regents, if regents' action is required. If a petition is received, the items in the report for which further consideration is requested will be referred to the Faculty Council and the remainder of the report will move forward. On items referred to it, the council may: (1) affirm the action and report it to a meeting of the university faculty, (2) amend the action and report it to a meeting of the university faculty, or (3) rescind the action. *Note:* If a petition concerns courses or curricula in the College of Letters, Arts and Social Sciences or in the College of Agricultural and Life Sciences, and is signed by five faculty members of the respective college, those items will be returned to the college concerned for further consideration.

Accounting

1. Drop the following courses [**Effective:** Summer 2011]

Acct J430/J530 Accounting for Public Sector Entities (3 cr)

Conceptual and procedural issues involving accounting, reporting, and auditing public sector organizations; topics include state and local governmental accounting principles, GASB/FASB jurisdiction over not-for-profit organizations, federal financial and performance auditing standards, and relevant current issues. ~~Additional class meetings, projects, and/or assignments required for graduate credit.~~ May include evening exams.

Prereq: Acct 315

Acct J485/J585 Estate Planning (3 cr)

Gift and estate tax consequences on property transfer during life and at death, tax research, and estate planning and personal financial planning. ~~Additional class meetings, projects, and/or assignments reqd for grad cr.~~ May include evening exams. Recommended Preparation: Acct 484/584. (Spring only)

Prereq: Acct 483

2. Add the following course [**Effective:** Summer 2011]

BLaw 425 Law of Business Entities (3 cr)

Business law related to corporations, partnerships, and limited liability companies with emphasis on applying the law to various business entities and how it might be used in business and personal planning. The case method is used. May include evening exams. (Fall only)

3. Change the curricular requirements of **Accounting (B.S.Bus.)** [**Effective:** Summer 2011]

Required course work includes the university requirements (see regulation J-3) the general requirements for graduation from the College of Business and Economics (see Part 4), and:

Acct 305	Accounting Information Systems (3 cr)
Acct 315	Intermediate Financial Accounting I (3 cr)
Acct 385	Cost and Management Accounting (3 cr)
Acct 414	Intermediate Financial Accounting II (3 cr)
Acct 483	Fundamentals of Federal Taxation (3 cr)
Acct 492	Auditing and Controls (3 cr)

Accounting electives chosen from the following (6 cr):

Acct 415	Advanced Financial Accounting and Reporting (3 cr)
Acct 430	Accounting for Public Sector Entities (3 cr)
Acct 440	Fraud Examination (3 cr)
Acct 484	Federal Taxation of Entities (3 cr)
Acct 485	Estate Planning (3 cr)
Acct 486	Contemporary Management Accounting Issues (3 cr)
Acct 530	Accounting for Public Sector Entities (3 cr)
Acct 585	Estate Planning (3 cr)
BLaw 420	Commercial Law (3 cr)
BLaw 425	Law of Business Entities (3 cr)

Additional courses in communication or writing beyond the UI core (~~upper-div-preferred~~)-(6 cr)

[Comm 235](#) [Organizational Communication \(3 cr\)](#)

[235](#)

[Comm 335](#) [Intercultural Communication \(3 cr\)](#)

[335](#)

[Comm 347](#) [Persuasion \(3 cr\)](#)

[347](#)

[Comm 436](#) [Conflict Mediation \(3 cr\)](#)

[436](#)

[Engl 207](#) [Persuasive Writing \(3 cr\)](#)

[Engl 209](#) [Inquiry-Based Writing \(3 cr\)](#)

[Engl 313](#) [Business Writing \(3 cr\)](#)

[Engl 316](#) [Environmental Writing \(3 cr\)](#)

[Engl 317](#) [Technical Writing \(3 cr\)](#)

[Phil 201](#) [Critical Thinking \(3 cr\)](#)

[Phil 361](#) [Professional Ethics \(3 cr, max 6\)](#)

[One of the following CBE courses may be substituted for one of the communication/writing elective courses:](#)

[Bus 353](#) [Data and Information Management \(3 cr\)](#)

[Bus 355](#) [Systems Analysis and Design \(3 cr\)](#)

[Bus 378](#) [Project Management \(3 cr\)](#)

[Bus 412](#) [Human Resource Management \(3 cr\)](#)

[Bus 414](#) [Entrepreneurship \(3 cr\)](#)

[Bus 415](#) [New Venture Creation \(3 cr\)](#)

[Bus 416](#) [Staffing and Compensation \(3 cr\)](#)

[Bus 427](#) [Services Marketing \(3 cr\)](#)

[Bus 428](#) [Marketing Management \(3 cr\)](#)

[Bus 456](#) [Quality Management \(3 cr\)](#)

[Bus 461](#) [Retirement Planning and Employee Benefits \(3 cr\)](#)

[Bus 463](#) [Portfolio Management \(3 cr\)](#)

[Bus 464](#) [Derivatives and Financial Engineering \(3 cr\)](#)

[Bus 472](#) [Operations Planning and Scheduling \(3 cr\)](#)

Electives to total 128 credits for the degree

4. Change the curricular requirements of **Accounting** (Minor) [**Effective:** Summer 2011]

Acct 201 Introduction to Financial Accounting (3 cr)

Acct 202 Introduction to Managerial Accounting (3 cr)

Acct 315 Intermediate Financial Accounting I (3 cr)

Courses selected from the following to total at least 20 cr:

[Acct 305](#) [Accounting Information Systems \(3 cr\)](#)

[Acct 310](#) [Accounting for Business Decisions I \(2 cr\)](#)

[Acct 385](#) [Cost and Management Accounting \(3 cr\)](#)

[Acct 414](#) [Intermediate Financial Accounting II \(3 cr\)](#)

[Acct 415](#) [Advanced Financial Accounting and Reporting \(3 cr\)](#)

[Acct 430](#) [Accounting for Public Sector Entities \(3 cr\)](#)

[Acct 440](#) [Fraud Examination \(3 cr\)](#)

[Acct 482](#) [Enterprise Accounting \(3 cr\)](#)

[Acct 483](#) [Fundamentals of Federal Taxation \(3 cr\)](#)

[Acct 484](#) [Federal Taxation of Entities \(3 cr\)](#)

[Acct 485](#) [Estate Planning \(3 cr\)](#)

[Acct 486](#) [Accounting for Management Decision Making and Control \(3 cr\)](#)

[Acct 492](#) [Auditing and Controls \(3 cr\)](#)

[Acct 530](#) [Accounting for Public Sector Entities \(3 cr\)](#)

[Acct 585](#) [Estate Planning \(3 cr\)](#)

[BLaw 420](#) [Commercial Law \(3 cr\)](#)

[BLaw 425](#) [Law of Business Entities \(3 cr\)](#)

Biological Science

1. Add the following courses [**Effective:** Summer 2011]

Biol 428 Microscopic Anatomy (4 cr)

Basic principles of histology and advanced microscopic anatomy of vertebrate tissues and organs. (Fall, alt/even yrs)

Prereq: Biol 212 or Biol 213

Biol 456 Computer Skills for Biologists (3 cr)

Management and analysis of complicated datasets such as those in molecular evolution, systematics, and genomics.

Demonstrations, exercises, and student projects to teach advanced Unix skills, programming (e.g. Perl and R), and data management. (Fall, alt/even yrs)

Prereq: Biol 310 and Stat 251 or Stat 301; or Permission

2. Change the cooperative status of the following course [**Effective:** Summer 2011]

Biol ID&WS548 Evolutionary Ecology (3 cr) [WSU Biol 548](#)

3. Change the prerequisites of the following course [**Effective:** Summer 2011]

Biol ID461 Neurobiology (3 cr) [WSU Neuro 461](#)

Study of the nervous system, with an emphasis on mechanisms of neuronal signaling, the function of sensory and motor systems, and neural development. Recommended: Phys 111, Phys 112, and Chem 275 or Chem 277. (Fall, Alt/yrs)

Prereq: [Biol 212](#), [Biol 213](#), [Biol 310](#), [Gene 314](#), [MMBB 300](#), or [MMBB 380](#)

Business

1. Drop the following courses [**Effective:** Summer 2011]

EMBA 511 Evolution of Management Thought (1 cr)

Traces the cross-cultural evolution of management and leadership theory and practice from antiquity to the present.

Prereq: EMBA 507, EMBA 508 and EMBA 509

Coreq: EMBA 512 and EMBA 514

EMBA 599 (s) Non-thesis Master's Research (1-5 cr, max 5)

Research not directly related to a thesis or dissertation. Student works with individual professor to design a research study, collect and analyze data, and prepare written report. Students must take either EMBA 500 or 599 but are not required to take both.

Recommended Substitution: EMBA 545

2. Add the following courses [**Effective:** Summer 2011]

EMBA 516 Strategic Business Communication (1 cr)

Delivery of strategic messages to internal and external audiences; cross-cultural communication.

Prereq: EMBA 507, EMBA 508, and EMBA 509

Coreq: EMBA 512, EMBA 514, and EMBA 515

EMBA 545 Integrative Business Analysis (1 cr)

All EMBA students must complete a business case prior to graduation. The purpose of the case is to integrate and synthesize topics learned in the EMBA program. Individual case analysis will be presented to a panel consisting of members from the EMBA faculty and EMBA Advisory Board.

Prereq: EMBA 508, EMBA 509, EMBA 510, EMBA 511, EMBA 512, EMBA 514, EMBA 515, EMBA 516, EMBA 521, EMBA 523, EMBA 524, EMBA 525, EMBA 526, EMBA 531, EMBA 532, EMBA 534, and EMBA 535

Coreq: EMBA 541, EMBA 542, EMBA 543, and EMBA 534

3. Change the description of the following course [**Effective:** Summer 2011]

EMBA 534 Managing and Leading Change (1 cr)

~~Concepts and approaches for managing environmental complexity and uncertainty,~~ Managing and leading adaptive and transformational change in organizations.

Prereq: EMBA 510, EMBA 521, EMBA 524, EMBA 525, and EMBA 526

Coreq: EMBA 532 and EMBA 535

4. Change the description and title of the following courses [**Effective:** Summer 2011]

EMBA 512 ~~Managing Complex Systems~~The Environmental, Cultural, and Global Context of Business (2 cr)

~~Examines the global environment of business, focusing on the interfaces between business, society, and the natural environment and the challenges and opportunities these interfaces create.~~Managing the firm as a complex adaptive system. Applied analysis of markets and environments for understanding social systems.

~~Prereq:~~ EMBA 507, EMBA 508 and EMBA 509

~~Coreq:~~ EMBA 511 and EMBA 514

Recommended Short Title: Global Context of Business

EMBA 535 ~~Decision Making in Strategic Interactions~~ Leadership of Relationships (3 cr)

~~Management requires a mastery of decision making in strategic interactions, situations where the right choice for the decision maker depends upon the choice made by other individuals. Game theory provides the foundation for sound decision making in strategic interactions. This course provides an introduction to strategic decision making, and thereby, a refined mastery of strategic leadership.~~Management of relationships internal and external to the organization. Facilitation of stakeholders' needs through topics such: as strategic communication, technological advances, social network analysis and supply chain management.

~~Prereq:~~ EMBA 510, EMBA 521, EMBA 523, EMBA 524 and EMBA 525

~~Coreq:~~ EMBA 532 and EMBA 534

Recommended Short Title: Strategic Interactions

5. Change the description, number, and title of the following courses [**Effective:** Summer 2011]

EMBA 532–522 ~~Entrepreneurship and Innovation~~ and New Product Development (3 cr) (EMBA 532)

~~Examines the global environment of business, focusing on the interfaces between business, society, and the natural environment and the challenges and opportunities these interfaces create.~~Strategic analysis of the structural and environmental factors related to adaptive change in learning organizations within the global environment.

~~Prereq:~~ EMBA 510, EMBA 521, EMBA 523, EMBA 524, EMBA 525, and EMBA 526

~~Coreq:~~ EMBA 534 and EMBA 535

Recommended Short Title: New Product Development

EMBA 523–533 ~~Launching New Products and Businesses~~ Services (2 cr) (EMBA 523)

~~Involving the whole business in converting concepts to customer-ready products and services. Examines the integration of marketing, engineering, finance, and operations management in launching new products.~~Management of introducing new products and ventures. Examines marketing, engineering, finance, and production management decisions.

~~Prereq:~~ EMBA 511, EMBA 512, and EMBA 514

~~Coreq:~~ EMBA 521, EMBA 524, EMBA 525, and EMBA 526

Recommended Short Title: Launching New Products

6. Change the corequisites, description, number, and title of the following course [**Effective:** Summer 2011]

EMBA 507–515 ~~Internal and External Analysis~~ (1 cr) (EMBA 507)

~~Examination of the economic, legal, and competitive factors influencing leadership and firm performance.~~Integrative module providing an overview of the program with focus on environmental analysis of factors influencing leadership and firm performance.

~~Coreq:~~ EMBA 508 and EMBA 509EMBA 511, EMBA 512, EMBA 514, and EMBA 516

7. Change the curricular requirements of **Marketing-PGM Option (B.S.Bus.)** [**Effective:** Summer 2011]

Professional Golf Management Option in Marketing

Required course work includes the university requirements (see regulation J-3), the college requirements, and:

Bus 103	Introduction to Professional Golf Management (2 cr)
Bus 150	Professional Golf Management I (2 cr)
Bus 251	Professional Gold Management II (2 cr)
Bus 298	Internship (2 cr)
Bus 324	Buyer Behavior (3 cr)
Bus 385	Professional Golf Management III (2 cr)

Bus 386	Food & Beverage Hospitality with Lab (4 cr)
Bus 398	Internship (6 cr)
Bus 421	Marketing Research and Analysis (3 cr)
Bus 424	Pricing Strategy and Tactics (3 cr)
Bus 425	Retail Distribution Management (3 cr)
Bus 428	Marketing Management (3 cr)
LArE 301	Survey of Landscape Architecture & Golf Course Design (3 cr)
PISc 302	Golf and Sports Turf Management (3 cr)
Rec 105	Teaching Golf I (2 cr.)
Rec 205	Teaching Golf II (2 cr)
Rec 305	Teaching Golf III (2 cr)

One of the following communication courses (3 cr):

Comm 233	Interpersonal Communication (3 cr)
Comm 235	Organizational Communication (3 cr)
Comm 332	Communication and the Small Group (3 cr)
Comm 410	Conflict Management (3 cr)

Tier 1 Marketing Electives: ~~One~~ [Nine credits](#) of the following courses [\(9 cr\)](#):

Bus 420	Promotional Strategy (3 cr)
Bus 422	Personal Selling and Sales Force Management (3 cr)
Bus 424	Pricing Strategy and Tactics (3 cr)
Bus 425	Retail Distribution Management (3 cr)
Bus 426	Marketing Channels Management (3 cr)
Bus 427	Services Marketing (3 cr)
Bus 429	Vandal Solutions (1-6 cr, max 6)
Bus 482	International Marketing (3 cr)
Bus 495	Product and Process Development and Commercialization (3 cr)

[Tier 2 Business Elective: One upper division \(300-400 level\) CBE, statistics, or mathematics course \(excluding Bus 301, Bus 311, Bus 321, Bus 350, Bus 370\) \(3 cr\)](#)

[Research Elective: Select a total of three credits from the following courses \(3 cr\)**:](#)

Math 160	Survey of Calculus or
Math 170	Analytic Geometry and Calculus I (4 cr)
Math 330	Linear Algebra (3 cr)
Math 451	Probability Theory (3 cr)
Stat 401	Statistical Analysis (3 cr)
Stat 426	SAS Programming (3 cr)
Stat 425	Topics in SAS Programming (1 cr)
Stat 433	Econometrics (3 cr)***
Stat 514	Nonparametric Statistics (3 cr)
Other research methods class as approved by your advisor and the marketing area	

[Students must pass the PGA Player Ability Test](#)

[Electives to total 136 cr for the degree](#)

**Students must have a 12.0 handicap or better to enter this program. Students must also be a U.S. [Citizen](#) or [resident alien](#) to be eligible for PGA membership.*

***Note: [You may not use the courses you took to complete your CBE General Core Mathematics requirement to fulfill the Research Elective.](#)*

****Note: [Stat 433/Econ 453 Econometrics does not satisfy the Upper Division Economics requirement if used to satisfy your Research Elective.](#)*

Chemistry

1. Change the description and prerequisites the following course [**Effective:** Summer 2011]

Chem 111 Principles of Chemistry I (4 cr)

May be used as core credit in J-3-b. Full credit may be earned in only one of the following: Chem 101, or 111. [Note that grades in Chem 111 will supersede any grades earned in Chem 101.](#) Intensive treatment of principles and applications of chemistry. Three lec and one 3-hr lab a week. Recommended Preparation: A grade of 'B' or better in a high school chemistry course.

Prereq: Chem 050 or min 560 SAT math or min 25 ACT math or min 49 COMPASS College Algebra, or a grade of 'C' or better in [Chem 101](#), Math 143, [Math 160](#), or [Math 170](#); or Permission

2. Change the credits the following course [**Effective:** Summer 2011]

Chem 501 (s) Seminar (1 cr, max 2)

3. Change the curricular requirements of **Chemistry (B.S.)** [**Effective:** Summer 2011]

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D. Forensics Option

Biol 115	Cells and the Evolution of Life (4 cr)
Biol 210	Genetics (4 cr)
Chem 111	Principles of Chemistry I (4 cr)
Chem 112	Principles of Chemistry II (5 cr)
Chem 253	Quantitative Analysis (5 cr)
Chem 277, 278	Organic Chemistry I and Lab (4 cr)
Chem 305, 307	Physical Chemistry and Lab (4 cr)
Chem 306, 308	Physical Chemistry and Lab (4 cr)
Chem 372, 374	Organic Chemistry II and Lab (4 cr)
Chem 409	Proseminar (1 cr)
Chem 454	Instrumental Analysis (4 cr)
CS 101	Introduction to Computer Science (3 cr)
Geol 299	Directed Study (3 cr)
Geol 426	Principles of Forensic Mineralogy and Geology
JS 101	Introduction to the Justice System (3 cr)
Math 170	Analytic Geometry and Calculus I (4 cr)
Math 175	Analytic Geometry and Calculus II (4 cr)
Math 275	Analytic Geometry and Calculus III (3 cr)
MMBB 250	General Microbiology (3 cr)
MMBB 255	General Microbiology Lab (2 cr)
MMBB 380	Introductory Biochemistry (4 cr)
MMBB 382	Introductory Biochemistry Laboratory (2 cr)
Phys 211	Engineering Physics I (4 cr)
Phys 212	Engineering Physics II (4 cr) or
Phys 213	Engineering Physics III (4 cr)
Stat 251	Statistical Methods (3 cr)

Electives to total 128 credits for the degree

Curriculum and Instruction

1. Drop the following courses [**Effective:** Summer 2011]

EDSP 460 Early Childhood Assessment (3 cr)

Overview of the assessment process, link between assessment and curriculum planning, cultural responsiveness in assessment, legal issues and family partnerships. Review and experience with various types of strategies and tools for screening and assessing infants and young children ages birth through 8 across all developmental domains. Recommended Preparation: FCS 234 and 235. (Fall and Summer only)

Recommended Equivalency: FCS 480

EDSP 461 Early Childhood SPED Curriculum (3 cr)

Overview of typical and atypical infant and child development; instructional strategies for working with infants, toddlers and young children through third grade, linking assessment to curriculum, designing instructional programming for natural settings and formal settings; involving families, collaboration among professionals, working with volunteers and paraprofessionals. Recommended Preparation: FCS 234 and 235, EDSP 460. (Spring only)

Recommended Equivalency: FCS 481

EDSP 490 Infant Practicum (7-10 cr)

Direct practical experience in settings serving typically and atypically developing infants: ages birth to 35 months. Demonstration of screening, assessment, development of IFSP, programming in natural environments, working closely with parents to increase their roles as partners and collaboration among service providers.

Prereq: EDSP 460, 461 or Permission

Recommended Equivalency: FCS 490

2. Add the following course [**Effective:** Summer 2011]

CTE 413 Retail Merchandising for Marketing Education (3 cr)

Designed for marketing teacher preparation. Contemporary information and activities that address retail merchandising, including standards and curriculum resources for secondary and two-year technical college courses. Curriculum standards, educational resources, careers, the role of retail, and the operation of a retail business that includes market analysis, store layout, and merchandising. Recommended Preparation: Bus 321.

Recommended Short Title: Retail Merch for Mkt Ed

3. Change the joint-list status, descriptions, and titles of the following courses [**Effective:** Summer 2011]

CTE J351/J551 Principles and Philosophy of Professional-Career and Technical Education (3 cr)

~~CTE 351~~ Same as AgEd 351. Overview and interpretation of history, aims, and purposes of public education and professional-technical education; issues and programs comprising professional-technical education in Idaho and in the nation. Additional projects/assignments required for graduate credit.

Recommended Short Title: Principles & Phil of CTE

CTE 551 Principles and Philosophy of Professional-Career and Technical Education (3 cr)

~~Overview and interpretation of history, aims, and purposes of public education and professional-technical education; issues and programs comprising professional-technical education in Idaho and the U.S.~~ See CTE J351/J551.

4. Change the title of the following courses [**Effective:** Summer 2011]

CTE 481 Computer-Integrated and Robotics Manufacturing Technologies and Robotics (3 cr)

In-depth examination and implementation of advanced computer aided drafting, 3D solids modeling, computer numerical control, basic and advanced toolpath generation, virtual machining environments, and robotics applications. Enrollment per section limited to lab stations available.

Prereq: CTE 267 or Engr 105; and CTE 352

Recommended Short Title: CIM & Robotics Manufacturing Tech [33 characters; need to drop 3 characters]

CTE 484 (s) Internship in Professional-Technical and Technology Career and Technical Education Teaching (3-14 cr, max 28)

Guided observation, supervised instruction, and comprehensive team and independent teaching in school settings.

Prereq: Admission to teacher education program

Coreq: CTE 455

Recommended Short Title: Internship in CTE Teaching

EDSP 578 Curriculum and Assessment for Students with Severe Disabilities Low-Incidence I (3 cr)

First of 2 courses on skills in assessment, design, implementation of instructional programs; measurement, analysis, evaluation; definitions, history; person/family-centered/culturally competent planning, teaming, self-determination. Emphasis on current issues: access to general curriculum, standards-based education, alternate assessment, paraprofessionals. Application of assessment and curriculum in communication, positive behavior supports. (Fall only)

Prereq: Standard exceptional child certificate or equivalent

Recommended Short Title: Curric Assess Low-Incidence I

EDSP 579 Curriculum and Assessment for Students with Severe Disabilities Low-Incidence II (3 cr)

Second of 2 courses on assessment, design and implementation of instructional programs; measurement and progress monitoring; applications in sensory impairments, motor, self-care skills, peer relationships, general curriculum access in reading, math, social studies, science; community referenced instruction, transition and vocational preparation, and assistive technology. (Spring only)
Prereq: Standard exceptional child certificate or equivalent

Recommended Short Title: Curric Assess Low-Incidence II

5. Change the description of the following courses [**Effective:** Summer 2011]

CTE 267 Computer Aided Drafting/Design (3 cr)

This course has been designed to give students an introductory experience in ~~manual~~ drafting ~~and sketching, drafting theory and 2D and 3D, Computer computer Aided-aided Draftingdrafting, and CNC manufacturing.~~ Students may have to spend time in the CAD lab outside of class time to complete the required work. ~~3 hours of lecture per week.~~

CTE 495 Administrative Technonology Management and Procedures (3 cr)

Administrative ~~office~~ procedures and ~~management techniques, advanced business document preparation, intermediate/advanced keyboarding skills, and ARMA filing rules.~~ generic policies in technological business environments are studied and practiced. Relevant knowledge, skills, and dispositions are addressed. ~~Recommended Preparation: CTE 415 and keyboarding proficiency.~~

Recommended Short Title: Admin Mgmt & Procedures

6. Change the credits, description, and title of the following course [**Effective:** Summer 2011]

CTE 431 Supervising ~~PTTE CTE Career amd Technical~~ Student Organizations (1-3 cr, max 3)

Supervising ~~PTTE CTE CTSOs~~ ~~Student Organizations~~ involves active participation in ~~career and technical student organization (CTSOs). Students assist in the administration and supervision of secondary regional and/or state CTSO conferences, and involve themselves with content area post-secondary CTSO competitive events program. Students are responsible for arranging and financing travel to appropriate CTSO events.~~ Professional-Technical Student Organization's post-secondary competitive events program, as well as assisting in the administration and supervision of secondary regional and state Professional-Technical Student Organization conferences.

Proposed Short Title: Supervising CTE CTSOs

7. Change the curricular requirements of **Career and Technical Education (B.S.Ed.)** [**Effective:** Summer 2011]

Required course work includes the university requirements (see regulation J-3) and the following:

General Professional-Technical and Technology Education Requirements

- CTE 351 Principles and Philosophy of ~~Professional-Career and~~ Technical Education (3 cr)
- CTE 430 Leadership and Student Organizations (2 cr)
- CTE 431 ~~Supervising PTTE CTE Career amd Technical Student Organizations (1-3 cr, max 3)~~ ~~Supervising PTTE Student Organizations (1 cr)~~
- ~~CTE 445 Professional Role Development in PTTE I (2 cr)*~~
- ~~CTE 455 Professional Role Development in PTTE II (1 cr)*~~
- CTE 464 Career Guidance and Transitioning to Work (3 cr)

~~*Note: CTE 445 and 455 replace the requirement of EDCl 401 (see College of Education requirements)~~

Completion of one of the following three options:

A. Business and Marketing Education Option

The Business and Marketing Education option is for students interested in teaching business, marketing, and business technology subjects at the high school or post-secondary level. Completers of this option may apply for Idaho secondary teacher certification with endorsements in business technology, marketing technology, and usually economics (based on selected electives).

Requirements include the General ~~Career and Technical Education~~ ~~Professional-Technical and Technology Education~~ Requirements, the satisfactory completion of the PRAXIS II Content Area Exam, and the following:

Acct 201	Introduction to Financial Accounting (3 cr)
Acct 202	Introduction to Managerial Accounting (3 cr)
BLaw 265	Legal Environment of Business (3 cr)
Bus 101	Introduction to Business Enterprises (3 cr)
Bus 311	Introduction to Management (3 cr)
Bus 321	Marketing (3 cr)
Bus 425	Retail Distribution Management (3 cr)
Comm 101	Fundamentals of Public Speaking (3 cr) or
Comm 111	Introduction to Communication Studies (3 cr)
CTE 104	Input Technologies for the 21st Century (3 cr)
CTE 415	Microcomputer Applications (3 cr)
CTE 416	Website Design and Development or
CTE 460	Desktop Publishing (3 cr)
CTE 418	Teaching Economics and Personal Finance (3 cr)
CTE 419 or	Database Applications and Information Management
CTE 519	(3 cr)
CTE 484	Internship in Career and Technical Education Teaching Internship in Professional-Technical and Technology Education Teaching (14-10 cr)
CTE 492	Business and Marketing Education Methods (3 cr)
CTE 495	Administrative Technology Management and Procedures (3 cr)
Econ 201	Principles of Economics (3 cr)
Econ 202	Principles of Economics (3 cr)
EDCI 201	Contexts of Education (2 cr) or
CTE 447	Diverse Populations and Individual Differences (2-3 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 401	Internship Seminar (1 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
Engl 313	Business Writing (3 cr)
FCS 448	Consumer Economic Issues (3 cr)
Psyc 101	Intro to Psychology or
Psyc 305	Developmental Psychology (3 cr)
Accounting, business, economics or CTE electives (6 cr)	

Electives to total 128 credits

Note: Students interesting in obtaining a teaching endorsement in Economics need to ensure that 3 credits of the designated elective credits are in economics, finance or accounting, see an advisor for details.

B. Occupational Education Option

This option is designed for those teachers in secondary trade and industrial programs who wish to teach in post-secondary professional-technical programs. Requirements include the General ~~Career and Technical~~ ~~Professional-Technical and~~ ~~Technology~~ Education Requirements and the following:

CTE 420	Evaluation in Professional-Technical Education (3 cr)
CTE 426	Occupational Analysis and Curriculum Development (3 cr) Instructional Design and Curriculum (3 cr)
CTE 447	Diverse Populations and Individual Differences (2-3 cr)
CTE 472	Teaching and Learning in Occupation Education (3 cr)
Approved course in computer literacy (3 cr)	

Professional-technical electives approved by advisor to total 128 credits:

CTE 200, 400	Seminar (cr arr)
CTE 203, 403	Workshop (cr arr)
CTE 204, 404	Special Topics (cr arr)
CTE 299, 499	Directed Study (cr arr)
CTE 306	Preservice for New Professional-Technical Teachers (3 cr)
CTE 307	Inservice for New Professional-Technical Teachers (3 cr)
CTE 418	Teaching Economics and Personal Finance (3 cr)
CTE 470	Technical Competence (1-32 cr)

Additional requirements for [PTE-CTE Occupation Education](#) students seeking an Idaho Secondary Teaching Certificate include the satisfactory completion of the PRAXIS II Content Area Test, and the following:

Comm 101	Fundamentals of Public Speaking or
Comm 132	Oral Interpretation (2 cr)
EDCI 201	Contexts of Education (2 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 401	Internship Seminar (1 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDCI 485	Secondary Internship or
CTE 484	Internship in Career and Technical Education Teaching Internship in Professional Technical and Technology Education Teaching (18 10 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
Psyc 101	Intro to Psychology or
Psyc 305	Developmental Psychology (3 cr)

C. Engineering & Technology Education Option

Requirements include the General [Professional Technical and Technology Career and Technical](#) Education Requirements, the satisfactory completion of the PRAXIS II Content Area Exam, and the following:

ASM 107	Beginning Welding (2 cr)
ASM 202	Agricultural Shop Practices (2 cr)
Comm 101	Fundamentals of Public Speaking (2 cr)
CTE 130	Introduction to Electricity and Electronics (3 cr)
CTE 354	Construction Technology (3 cr)
CTE 267	Computer Aided Drafting/Design (3 cr)
CTE 310	Lab Safety, Management, and Liability (4 cr)
CTE 353	Manufacturing Systems (3 cr)
CTE 370	Transportation & Engineering Technologies (4 cr)
CTE 410	Technology and Society (3 cr)
CTE 415	Microcomputer Applications (3 cr)
CTE 416	Website Design and Development (3 cr)
CTE 417	Teaching & Learning through STEM Integration (3 cr)
CTE 426	Occupational Analysis and Curriculum Development (3 cr)
CTE 428	Computer Integrated Systems (3 cr)
CTE 449	Appropriate Technology and Alternative Energy (3 cr)
CTE 462	Communication Technology (3 cr)
CTE 481	Computer Integrated Manufacturing and Robotics (4 cr)
CTE 484	Internship in Career and Technical Education Teaching Internship in Professional Technical and Technology Education Teaching (18 cr)
CTE 494	Senior Project (3 cr)
EDCI 201	Contexts of Education (2 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
Engl 317	Technical Writing (3 cr)
Math 143	Pre-calculus Algebra and Analytic Geometry (3 cr)
Phys 111	General Physics I (4 cr)
Phys 112	General Physics II (4 cr)
Psyc 101	Intro to Psychology or
Psyc 305	Developmental Psychology (3 cr)

Electives to total 129 credits

8. Change the curricular requirements of **Business Education** (Teaching Minor) [**Effective:** Summer 2011]

~~2224~~ to ~~2627~~-Credit Business Education Teaching Minor

Acct 201	Introduction to Financial Accounting and or
Acct 202	Introduction to Managerial Accounting (6-3 cr)
Bus 311	Introduction to Management or
Bus 321	Marketing (3 cr)
CTE 415	Microcomputer Applications (3 cr)
CTE 430	Leadership and Student Organizations (2 cr)
CTE 431	Supervising CTE Career and Technical Student Organizations (1-3 cr, max 3) Supervising PTTE Student Organizations (1 cr)
CTE 492	Business and Marketing Education Methods (2-3 cr)
CTE 495	Administrative Technology Management and Procedures (3 cr)
FCS 448	Consumer Economic Issues (3 cr)
Econ-201	Principles of Economics and
Econ-202	Principles of Economics; or
Econ-272	Foundations of Economic Analysis (4-6 cr)

One of the following (3-4cr):

Econ 201	Principles of Economics (3 cr)
Econ 202	Principles of Economics (3 cr)
Econ 272	Foundations of Economic Analysis (4 cr)

NOTE: This minor will not meet professional-technical certification requirements, but will enable the student to apply for a provisional professional-technical certificate.

Other required courses for professional-technical certification include:

CTE 351	Principles and Philosophy of Professional-Career and Technical Education (3 cr)
CTE 426	Occupational Analysis and Curriculum Development (3 cr)
CTE 464	Career Guidance and Transitioning to Work (3 cr)
EDCI-201	Contexts of Education (2 cr) or
CTE 447	Diverse Populations and Individual Differences (2-3 cr)

English

1. Change the curricular requirements of **Teaching English as a Second Language (Minor)** [Effective: Summer 2011]

Engl 413	ESL Methods I: Basic Oral/Aural Skills or
EDCI 437	Secondary Foreign Language Methods (3 cr)
Engl 441	Introduction to the Study of Language (3 cr)
Engl 442	Introduction to English Syntax (3 cr)
Anth 427 or	Racial and Ethnic Relations or
Soc 427	
Anth 261	Language and Culture (3 cr)
EDCI-302	Teaching Culturally Diverse Learners (4 cr)

Electives chosen from among other courses in English language and linguistics or from Anth 261 or 427 if not chosen above (~~6-9~~ cr)

Environmental Science

1. Add the following courses [Effective: Summer 2011]

EnvS J483/J583 Water and Energy Systems (3 cr)

The class covers the basic science of water and energy and the applied interrelationships of those two resources in today's society. The broad spectrum coverage of the topic includes the energy linkage to both the supply and demand of water and also the water linkage to the supply of and demand for energy. The class includes development of systems dynamics models for describing the resource interactions. Recommended Preparation: Basic Physical Sciences.

Prereq: Math 143

2. Change the curricular requirements of **Environmental Science (B.S.Env.S.)** [Effective: Summer 2011]

Required course work includes the university requirements (see regulation J-3), the general requirements for the B.S. degree, and:

Biol 115	Cells and the Evolution of Life (4 cr)
Chem 111	Principles of Chemistry I (students in social science option may substitute Chem 101) (4 cr)
Comm 101	Fundamentals of Public Speaking or 3-4 cr in foreign language courses (2-4 cr)
EnvS 101	Introduction to Environmental Science (3 cr)
EnvS 102	Field Activities in Environmental Sciences (1 cr)
EnvS 225	International Environmental Issues Seminar (3 cr)
EnvS 400	Seminar (1 cr)
EnvS 497	Senior Research and Thesis (3 cr)
Phil 452	Environmental Philosophy (3 cr)
Stat 251	Statistical Methods (students in physical science 2 option may substitute Stat 301) (3 cr)

And one of the following options:

A. Biological Science Option

This option is suitable for students wishing to pursue technically oriented careers in environmental professions such as natural resource management, bioremediation, and environmental impact analysis.

CE 326	Hydrologic Measurement Techniques (1 cr)
Chem 112	Principles of Chemistry II (5 cr)
Engl 317	Technical Writing (3 cr)
Geog 100	Physical Geography or
Geol 101	Physical Geology (4 cr)
Math 170	Analytic Geometry and Calculus I or
Math 160	Survey of Calculus (4 cr)
MMBB 250	General Microbiology (3 cr)

Advisor-directed breadth electives, incl at least one course from the first four areas (24 cr):

Ecology

Biol 314	Ecology and Population Biology (4 cr)
For 221	Ecology (3 cr)
Geog 310	Biogeography (2-3 cr)
MMBB 425	Microbial Ecology (3 cr)
REM 221	Ecology (3 cr)

Natural Resource Economics and Sociology

AgEc 451	Applied Environmental and Natural Resource Economics (3 cr)
Anth 220	Peoples of the World (3 cr)
CSS 383	Resource Economics for Environmental Policymaking (3 cr)
Econ 385	Environmental Economics (3 cr)
For 235	Society and Natural Resources (3 cr)

Management

ChE 470 or EnvS 445	Hazardous Waste Management (3 cr)
CSS 486	Public Involvement in Natural Resource Mgt (3 cr)
For 484	Forest Policy and Administration (2 cr)
Geog 420	Land, Resources, and Environment (3 cr)
Geog 427	Spatial Multicriteria Analysis and Optimization (3 cr)
Geog 444	Environmental Assessment (4 cr)

History, Philosophy, and Political Science

AgEc 477	Law, Ethics, and the Environment (3 cr)
CSS 489	Personalities and Philosophies in Conservation (2 cr)

Hist 424	American Environmental History (3 cr)
Phil 351	Philosophy of Science (3 cr)
Phil 417	Philosophy of Biology (3 cr)
PoIS 364	Politics of the Environment (3 cr)

Technical

Biol 213	Principles of Biological Structure and Function (4 cr)
Chem 253	Quantitative Analysis (5 cr)
Chem 275	Carbon Compounds or
Chem 277 and Chem 372	Organic Chemistry (3 cr)
Chem 302	Principles of Physical Chem or
Chem 305-306	Physical Chem (3 cr)
Chem 303	Principles of Physical Chem Lab (1 cr)
Chem 418	Environmental Chemistry (3 cr)
EnvS 428	Pollution Prevention (3 cr)
EnvS 429	Environmental Audit (3 cr)
EnvS 479	Introduction to Environmental Regulation (3 cr)
EnvS 498	Internship (1-3 cr)
For 472 or REM 472	Remote Sensing of Environment (3-4 cr)
Geog 202	Global Climate Change (3 cr)
Geog 301	Meteorology or
Geog 401	Climatology (3 cr)
Geog 385	GIS Primer (3 cr)
Geog 450	Global Environmental Change (3 cr)
Geol 309	Ground Water Hydrology (3 cr)
Geol 361	Geology and the Environment (3 cr)
Math 175	Analytic Geometry and Calculus II (4 cr)
Math 275	Analytic Geometry and Calculus III (3 cr)
MMBB 380	Introductory Biochemistry (4 cr)
Phys 111	General Physics I or
Phys 211	Engr Physics I (4 cr)
Phys 112	General Physics II or
Phys 212	Engr Physics II (4cr)
Soil 205	The Soil Ecosystem (3 cr)

Advisor-approved depth electives – include all the courses from at least two of the following areas (20 cr):

Plant Protection

Ent 322	General and Applied Entomology or
Ent 491	Principles of Insect Pest Mgt (3 cr)
PISc 338	Weed Control (3 cr)
PISc 410	Biology of Weeds (3 cr)
PISc 415	Plant Pathology (3 cr)
Soil 446	Soil Fertility (1-3 cr, max 3)

Animal Ecology

WLF 314	Wildlife Ecology I (3 cr)
WLF 315	Wildlife Ecology I Laboratory (1 cr)
WLF 316	Wildlife Ecology II (4 cr)
WLF 448	Fish and Wildlife Population Ecol or
WLF 440	Conservation Biol (3-4 cr)

Aquatic Ecology

Take 3 of the 4 courses listed below:

Ent 472	Aquatic Entomology (3 cr)
Fish 314	Fish Ecology (3 cr)
Fish 415	Limnology (4 cr)
Fish 430	Riparian Ecology and Management (3 cr)

Forest and Range Systems

Take 4 of the 7 courses listed below:

For 330	Forest Ecosystem Processes (2 cr)
For 423	Forest Community Ecology (1 cr)
For 426	Wildland Fire Ecology and Management (3 cr)
For 429	Landscape Ecology (3 cr)
REM 357	Rangeland and Riparian Habitat Assessment (3 cr)
REM 440	Wildland Restoration Ecology (3 cr)
REM 459	Rangeland Ecology (2 cr)

Soils

Soil 437	Soil Biology (3 cr)
Soil 438	Pesticides in the Environment (3 cr)
Soil 446	Soil Fertility (1-3 cr, max 3)

Water

Take at least 4 of the 6 courses listed below:

BAE 450	Environmental Hydrology (3 cr)
EnvS 446	Drinking Water and Human Health (3 cr)
For 462	Watershed Management (3 cr)
Geol 309	Ground Water Hydrology (3 cr)
Geol 410	Techniques of Ground Water Study (3 cr)
Geol 464	The Geochemistry of Natural Waters (3 cr)

Environmental Regulation

Geog 420	Land, Resources, and Environment (3 cr)
Geog 444	Environmental Assessment (4 cr)

Decision Making Tools

For 472 or REM 472	Remote Sensing of Environment (3-4 cr)
Geog 385	GIS Primer (3 cr)
LArc 495	Computer-Aided Regional Landscape Planning (3 cr)

Environmental Chemistry

Chem 418	Environmental Chemistry (3 cr)
Ent 438	Pesticides in the Environment (3 cr)
FST 409	Principles of Environmental Toxicology (3 cr)

Electives to total 128 credits for the degree

B. Physical Science Option

This option is suitable for students wishing to pursue technical careers in environmental professions such as air, soil, and water pollution abatement, hazardous waste management, waste minimization, and ecological restoration.

CE 326	Hydrologic Measurement Techniques (1 cr)
Chem 112	Principles of Chemistry II (5 cr)
Engl 317	Technical Writing (3 cr)
Geog 100	Physical Geography or
Geol 101	Physical Geology (4 cr)
Math 170	Analytic Geometry and Calculus I or
Math 160	Survey of Calculus (4 cr)
Phys 111	General Physics I (4 cr)

Advisor-directed breadth electives, incl at least one course from the first four areas (24 cr):

Ecology

Biol 314	Ecology and Population Biology (4 cr)
For 221	Ecology (3 cr)
Geog 310	Biogeography (2-3 cr)
MMBB 425	Microbial Ecology (3 cr)
REM 221	Ecology (3 cr)

Natural Resource Economics and Sociology

AgEc 451	Applied Environmental and Natural Resource
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Economics (3 cr)	
Anth 220	Peoples of the World (3 cr)
CSS 383	Resource Economics for Environmental Policymaking (3 cr)
Econ 385	Environmental Economics (3 cr)
For 235	Society and Natural Resources (3 cr)
Management	
ChE 470 or EnvS 445	Hazardous Waste Management (3 cr)
CSS 486	Public Involvement in Natural Resource Mgt (3 cr)
For 484	Forest Policy and Administration (2 cr)
Geog 420	Land, Resources, and Environment (3 cr)
Geog 427	Spatial Multicriteria Analysis and Optimization (3 cr)
Geog 444	Environmental Assessment (4 cr)
REM 456	Integrated Rangeland Management (3 cr)

History, Philosophy, and Political Science

AgEc 477	Law, Ethics, and the Environment (3 cr)
CSS 489	Personalities and Philosophies in Conservation (2 cr)
Hist 424	American Environmental History (3 cr)
Phil 351	Philosophy of Science (3 cr)
Phil 417	Philosophy of Biology (3 cr)
PolS 364	Politics of the Environment (3 cr)

Technical

Biol 213	Principles of Biological Structure and Function (4 cr)
Chem 253	Quantitative Analysis (5 cr)
Chem 275	Carbon Compounds or
Chem 277 and Chem 372	Organic Chemistry (3 cr)
Chem 302	Principles of Physical Chem or
Chem 305-306	Physical Chem (3 cr)
Chem 303	Principles of Physical Chem Lab (1 cr)
Chem 418	Environmental Chemistry (3 cr)
EnvS 428	Pollution Prevention (3 cr)
EnvS 429	Environmental Audit (3 cr)
EnvS 479	Introduction to Environmental Regulation (3 cr)
EnvS 498	Internship (1-3 cr)
For 472 or REM 472	Remote Sensing of Environment (3-4 cr)
Geog 202	Global Climate Change (3 cr)
Geog 301	Meteorology or
Geog 401	Climatology (3 cr)
Geog 385	GIS Primer (3 cr)
Geog 450	Global Environmental Change (3 cr)
Geol 309	Ground Water Hydrology (3 cr)
Geol 361	Geology and the Environment (3 cr)
Math 175	Analytic Geometry and Calculus II (4 cr)
Math 275	Analytic Geometry and Calculus III (3 cr)
MMBB 380	Introductory Biochemistry (4 cr)
Phys 111	General Physics I or
Phys 211	Engr Physics I (4 cr)
Phys 112	General Physics II or
Phys 212	Engr Physics II (4 cr)
Soil 205	The Soil Ecosystem (3 cr)

Advisor-approved depth electives – meet requirements of at least two of the following areas (20 cr):

Water

Take at least 4 of the 6 courses listed below:	
BAE 450	Environmental Hydrology (3 cr)
EnvS 446	Drinking Water and Human Health (3 cr)
For 462	Watershed Management (3 cr)

Geol 309	Ground Water Hydrology (3 cr)	Phys 111	General Physics I (4 cr)
Geol 410	Techniques of Ground Water Study (3 cr)	Advisor-directed breadth electives, incl at least one course from the first four areas (24 cr):	
Geol 464	The Geochemistry of Natural Waters (3 cr)	Ecology	
Chemistry		For 221	Ecology (3 cr)
Chem 418	Environmental Chemistry (3 cr)	Natural Resource Economics and Sociology	
Chem 454	Instrumental Analysis (4 cr)	Anth 220	Peoples of the World (3 cr)
FST 409	Principles of Environmental Toxicology (3 cr)	PTTE 410	Technology and Society (3 cr)
MMBB 380	Introductory Biochemistry (4 cr)	Management	
Hazardous Waste		ChE 470	Hazardous Waste Management (3 cr)
ChE 470 or	Hazardous Waste Management or	EnvS 479	Introduction to Environmental Regulations (3 cr)
EnvS 445		For 462	Watershed Science and Management (3 cr)
BAE 433	Bioremediation or	Geog 424	Hydrologic Applications of GIS and Remote Sensing (3 cr)
Met 406	Treatment Technology for Recycled Waste (3 cr)	History, Philosophy, and Political Science	
ChE 480	Engineering Risk Assessment for Hazardous Waste Evaluations (3 cr)	Geog 364	Idaho and the Pacific Northwest (3 cr)
FST 409	Principles of Environmental Toxicology (3 cr)	Hist 423	Idaho and the Pacific Northwest (3 cr)
Geology		Hist 424	American Environmental History (3 cr)
Geol	Geomorphology (3 cr)	Phil 365	Biomedical Ethics (3 cr)
335		PolS 364	Politics of the Environment (3 cr)
Geol	Geology and the Environment (3 cr)	Technical	
361		Biol 116	Organisms and Environments (4 cr)
Geol	Principles of Geochemistry (3 cr)	Chem 253	Quantitative Analysis (5 cr)
423		Chem 275	Carbon Compounds (3 cr)
Geol	The Geochemistry of Natural Waters (3 cr)	Chem 277	Organic Chemistry I (3 cr)
464		Chem 305 or	Physical Chem (3 cr)
Statistics		Chem 306	
GeoE 428	Geostatistics (3 cr)	Chem 372	Organic Chemistry II (3 cr)
Stat 401	Statistical Analysis (3 cr)	Chem 418	Environmental Chemistry (3 cr)
Stat 422	Sample Survey Methods (3 cr)	EnvS 428	Pollution Prevention (3 cr)
Mathematics		EnvS 429	Environmental Audit (3 cr)
Math	Analytic Geometry and Calculus II (4 cr)	EnvS 479	Introduction to Environmental Regulation (3 cr)
175		EnvS 498	Internship (1-3 cr)
Math	Analytic Geometry and Calculus III (3 cr)	For 472	Remote Sensing of the Environment (3 cr)
275		Geog 385	GIS Primer (3 cr)
Math	Ordinary Differential Equations (3 cr)	Geog 450	Global Environmental Change (3 cr)
310		Geog 475	Advanced GIS (3 cr)
Math	Linear Algebra (3 cr)	Geol 102	Historical Geology (4 cr)
330		Geol 309	Ground Water Hydrology (3 cr)
Soils		Geol 323	Geology of the Pacific Northwest (3 cr)
Soil 415	Soil Physics (3 cr)	Geol 361	Geology and the Environment (3 cr)
Soil 422	Environmental Soil Chemistry (3 cr)	Math 175	Analytic Geometry and Calculus II (4 cr)
Soil 454	Soil Development and Classification (3 cr)	Math 275	Analytic Geometry and Calculus III (3 cr)
Economics and Management		MMBB 380	Introductory Biochemistry (4 cr)
Econ 385	Environmental Economics (3 cr)	NR 402	GIS Applications in Natural Resources (1 cr)
For 472	Remote Sensing of Environment (3-4 cr)	Phys 112	General Physics II or
or REM		Phys 212	Engr Physics II (4cr)
472		REM 407	GIS Application in Fire Ecology and Management (1 cr)
Geog 385	GIS Primer (3 cr) or	REM 440	Wildland Restoration Ecology (3 cr)
LArc 395	GIS in Land Planning (3 cr)	REM 459	Rangeland Ecology (2 cr)
Geog 444	Environmental Assessment (4 cr)	REM 560	Plant Ecophysiology (3 cr)
Electives to total 128 credits for the degree		Soil 205	The Soil Ecosystem (3 cr)

C. Physical Science 2 Option

This option is only available to students in Idaho Falls

Chem 112	Principles of Chemistry II (5 cr)
Engl 317	Technical Writing (3 cr)
Geog 100	Physical Geography or
Geol 101	Physical Geology (4 cr)
Math 170	Analytic Geometry and Calculus I or
Math 160	Survey of Calculus (4 cr)

Advisor-approved depth electives – meet requirements of at least two of the following areas (20 cr):

Water

Take at least 4 of the courses listed below:

BAE 450	Environmental Hydrology (3 cr)
CE 433	Water Quality Management (3 cr)
CSS 573	Planning & Decision Making for Watershed

	Management (3 cr)	Engl 316	Environmental Writing or
EnvS 483	Water and Energy Systems (3 cr)	Engl 317	Technical Writing (3 cr)
Fish 540	Wetland Restoration (3 cr)	Geog 100	Physical Geography (4 cr)
For 462	Watershed Management (3 cr)	Geol 101	Physical Geology (4 cr)
Geol 309	Ground Water Hydrology (3 cr)	Math 137	Algebra with Applications or
Geol 464	The Geochemistry of Natural Waters (3 cr)	Math 143	Pre-calculus Algebra and Analytic Geom (3 cr)
Hydr 414	Ground Water-Surface Water Interaction (3 cr)	PolS 235	Political Research Methods and Approaches or
Chemistry		Hist 290	The Historian's Craft or
Chem 418	Environmental Chemistry (3 cr)	Phil 201	Critical Thinking (3 cr)
Chem 454	Instrumental Analysis (4 cr)		Advisor-directed breadth electives, including at least one course from the first four areas (24 cr):
FS 409	Principles of Environmental Toxicology (3 cr)	Ecology	
MMBB 380	Introductory Biochemistry (4 cr)	Biol 314	Ecology and Population Biology (4 cr)
Hazardous Waste		For 221	Ecology (3 cr)
ChE 470 or 480	Hazardous Waste Management (3 cr)	Geog 310	Biogeography (2-3 cr)
ChE 580	Engineering Risk Assessment for Hazardous Waste Evaluations (3 cr)	MMBB 425	Microbial Ecology (3 cr)
FS 409	Principles of Environmental Toxicology (3 cr)	REM 221	Ecology (3 cr)
PTTE 364	Hazardous Materials (3 cr)	Natural Resource Economics and Sociology	
Mathematics		AgEc 451	Applied Environmental and Natural Resource Economics (3 cr)
Math 175	Analytic Geometry and Calculus II (4 cr)	Anth 220	Peoples of the World (3 cr)
Math 275	Analytic Geometry and Calculus III (3 cr)	CSS 383	Resource Economics for Environmental Policymaking (3 cr)
Math 310	Ordinary Differential Equations (3 cr)	Econ 385	Environmental Economics (3 cr)
Math 330	Linear Algebra (3 cr)	For 235	Society and Natural Resources (3 cr)
Economics and Management		Management	
Take at least 4 of the courses listed below:		ChE 470 or EnvS 445	Hazardous Waste Management (3 cr)
EnvS 428	Pollution Prevention (3 cr)	CSS 486	Public Involvement in Natural Resource Mgt (3 cr)
Geog 385	GIS Primer (3 cr)	For 484	Forest Policy and Administration (2 cr)
Geog 450	Global Environmental Change (3 cr)	Geog 420	Land, Resources, and Environment (3 cr)
Geog 475	Advanced GIS (3 cr)	Geog 427	Spatial Multicriteria Analysis and Optimization (3 cr)
Geog 424	Hydrologic Applications of GIS and Remote Sensing (3 cr)	Geog 444	Environmental Assessment (4 cr)
Environmental Policy & Regulations		REM 456	Integrated Rangeland Management (3 cr)
Take at least 4 of the courses listed below:		History, Philosophy, and Political Science	
CSS 572	Human Dimensions of Restoration Ecology (3 cr)	AgEc 477	Law, Ethics, and the Environment (3 cr)
CSS 573	Planning & Decision Making for Watershed Management (3 cr)	CSS 489	Personalities and Philosophies in Conservation (2 cr)
EnvS 429	Environmental Audit (3 cr)	Hist 424	American Environmental History (3 cr)
EnvS 479	Introduction to Environmental Regulations (3 cr)	Phil 351	Philosophy of Science (3 cr)
EnvS 482	Natural Resource Policy and Law (3 cr)	Phil 417	Philosophy of Biology (3 cr)
EnvS 580	Environmental Law and Regulation (3 cr)	PolS 364	Politics of the Environment (3 cr)
Electives to total 128 credits for the degree		Technical	
D. Social Science Option		Biol 213	Principles of Biological Structure and Function (4 cr)
This option is suitable for students wishing to pursue careers in environmental professions such as environmental regulation, land use planning, environmental administration, and as a pre-law program for environmental law.		Chem 253	Quantitative Analysis (5 cr)
		Chem 275	Carbon Compounds or
		Chem 277 and Chem 372	Organic Chemistry (3 cr)
		Chem 302	Principles of Physical Chem or
		Chem 305-306	Physical Chem (3 cr)
		Chem 303	Principles of Physical Chem Lab (1 cr)
		Chem 418	Environmental Chemistry (3 cr)
		EnvS 428	Pollution Prevention (3 cr)
		EnvS 429	Environmental Audit (3 cr)
		EnvS 479	Introduction to Environmental Regulation (3 cr)
		EnvS 498	Internship (1-3 cr)
		For 472 or REM 472	Remote Sensing of Environment (3-4 cr)
		Geog 202	Global Climate Change (3 cr)
CE 326	Hydrologic Measurement Techniques (1 cr)	Geog 301	Meteorology or
Engl 309	Advanced Prose Writing or	Geog 401	Climatology (3 cr)
JAMM 428	Environmental Journalism (3 cr)		

Geog 385	GIS Primer (3 cr)
Geog 450	Global Environmental Change (3 cr)
Geol 309	Ground Water Hydrology (3 cr)
Geol 361	Geology and the Environment (3 cr)
Math 175	Analytic Geometry and Calculus II (4 cr)
Math 275	Analytic Geometry and Calculus III (3 cr)
MMBB 380	Introductory Biochemistry (4 cr)
Phys 111	General Physics I or
Phys 211	Engr Physics I (4 cr)
Phys 112	General Physics II or
Phys 212	Engr Physics II (4cr)
Soil 205	The Soil Ecosystem (3 cr)

Policy and Planning	
Comm 331	Conflict Management (3 cr)
CSS 383	Resource Economics for Environmental Policymaking (3 cr)
CSS 385	Conservation Management and Planning I (3 cr)
CSS 387	Environmental Communication Skills (3 cr)
CSS 494	Public Relations for Natural Resources Professionals (3 cr)
Econ 385	Environmental Economics (3 cr)
For 484	Forest Policy and Administration (2 cr)
Geog 444	Environmental Assessment (4 cr)
PoIS 364	Politics of the Environment (3 cr)
PoIS 451	Public Administration (3 cr)
PoIS 454	Public Organization Theory (3 cr)
PoIS 462	Natural Resource Policy (3 cr)
Psyc 416	Industrial/Organizational Psychology (3 cr)
Green Building and Community Design	
Arch 151	Introduction to the Built Environment (2 cr)
Arch 266	Materials and Methods (3 cr)
Arch 463	Environmental Control Systems (4 cr)
Arch 464	Environmental Control Systems (4 cr)
ForP 365	Wood Building Technology (3 cr)
Geog 400	Seminar (3 cr)
Geog 450	Global Environmental Change (3 cr)
LArc 380	Water in the Urban Context (2 cr)
LArc 480	The Emerging Landscape (3 cr)

Advisor-approved depth electives chosen from the following, incl five courses from one of the following areas:

Conservation Heritage

Anth 422	Plateau Indians (3 cr)
CSS 489	Personalities and Philosophies in Conservation (2 cr)
Engl 473	American Regional Literature (3 cr)
Engl 484	American Indian Literature (3 cr)
Geog 364	Idaho and the Pacific Northwest (3 cr)
Geog 420	Land, Resources, and Environment (3 cr)
Hist 424	American Environmental History (3 cr)
Hist 428	History of the American West (3 cr)
LArc 480	The Emerging Landscape (3 cr)

Law

EnvS 479	Introduction to Environmental Regulations (3 cr)
Geog 420	Land, Resources, and Environment (3 cr)
Law 937	Natural Resources Law and Legal History (3 cr)
Law 947	Environmental Law I (3 cr)
Law 948	Public Land Law (3 cr)
Phil 470	Philosophy of Law (3 cr)
Phil 571	Ecological Jurisprudence (3 cr)
PoIS 364	Politics of the Environment (3 cr)
PoIS 467	Constitutional Law (3 cr)
PoIS 468	Civil Liberties (3 cr)

Electives to total 128 credits for the degree

Rationale: The above are changes based on faculty suggestions to improve the curriculum with the addition of several classes that will provide students with up-to-date information in their areas of emphasis and as it relates to the science of climate change.

Geogrpahy

1. Add the following course [**Effective:** Summer 2011]

Geog 411. Natural Hazards and Society (3 cr)

Overview of the geophysical conditions associated with the development of natural hazards including social science principles and methodologies for addressing critical questions relating to managing the vulnerability and risks associated with various natural hazards. (Fall only)

Geog 455 Societal Resilience and Adaptation to Climate Change (3 cr)

Consequences of human causes, mitigation and adaptations, community resilience strategies, and policy implications to human impacts of global climate change. Concentration on social science issues including opportunities and constraints for resilience and adaptation to global climate change. Recommended Preparation: Geog 411. (Spring only)

Recommended Short Title: Climate Change Impacts

2. Change the title of the following course [**Effective:** Summer 2011]

Geog 493 Senior Seminar-Capstone in Applied Geography (3 cr)

A capstone course in which students integrate their knowledge of human and physical geography, as well as geographic techniques, to propose solutions to real-world problems. Students gain experience in working in small groups and in written and oral presentation of project results, and will be evaluated with respect to the skills acquired in their degree program. Topics may include, but are not limited to, issues such as sustainable development in rural communities, global and regional food and energy distribution, quantifying and analyzing global or regional indicators of environmental and/or societal trends. Open to senior geography majors or to non-majors with instructor's permission.

Prereq: Department of Geography Majors or Permission

Health, Physical Education, Recreation, and Dance

1. Drop the following courses [**Effective:** Summer 2011]

PEP J414/J514 Proseminar in Physical Education (1 cr)

Course content and materials designed to prepare students for entry into the physical education teaching internship, the physical education teaching profession, and for continuing professional development; should be taken the semester before the teaching internship. Additional items including grant writing, writing for publication, and research review on professional and career development will be required for those registered for graduate credit.

Recommended Equivalency: EDCI 401

2. Add the following courses [**Effective:** Summer 2011]

HPRD 445 Internship Practicum (1 cr)

This course explores the different factors that go into finding, obtaining, and getting the most out of an internship. Emphasis is placed on such skills related to understanding the student’s chosen field/career path, professionalism, communication, and dealing with adversity in the work place. In addition, emphasis will be placed on student understanding of what is expected during the internship from an academic perspective.

Prereq: PEP 100

Recommended Equivalency: Rec 445

PEP 523 Physical Activity Assessment (3 cr)

This course is designed to focus learners on current research in physical activity pedagogy with specific application to pediatric physical activity measurement within school, community, private, and family physical activity programs.

3. Change the prerequisites of the following courses [**Effective:** Summer 2011]

PEP 421 Secondary Methods in Physical Activity Pedagogy (3 cr)

This course focuses on the study and application of effective teaching behaviors and methods (i.e., styles and models), and the teaching process of planning, implementing, and evaluating. A teaching practicum with junior high and high school students will be completed during this course. Lec-lab.

Prereq: [EDCI-302 Admission to teacher education program](#)

Prereq or Coreq: PEP 360, PEP 380, PEP 440, and six professional activity courses

PEP 440 Curriculum & Administration in Physical Activity Pedagogy (1 cr)

This course is designed to develop students’ knowledge of curriculum and administration models, and community programming related to physical activity pedagogy.

Prereq: [Admission to teacher education program](#) [EDCI-302](#)

Prereq or Coreq: PEP 360, PEP 380, and six professional activity courses

PEP 484 (s) Internship in Physical Education Teaching (1-15 cr)

Guided observation, supervised instruction, and comprehensive team and independent teaching in school settings. Students will be following the school district full semester calendar. Graded Pass/Fail.

Prereq: [Admission to teacher education program](#) [EDCI-302](#) and [division approval](#)

Coreq: EDCI 401

PEP 498 (s) Internship in Exercise Science & Health (cr arr)

Supervised field work.

Prereq: [HPRD 445](#), H&S 288, H&S 490, PEP 455, PEP 493, and PEP 495; or Permission

Rec 320 Outdoor Recreation Leadership (2 cr)

Consideration and examination of successful outdoor recreation leaders; contemporary issues, effective trip planning, and evaluation of outdoor trips. (Alt/yrs.)

Prereq: [Rec 125](#)

Rec 420 Experiential Education (2 cr)

Philosophy and administration of adventure activities, initiative games, ropes courses, and their application to individual and group development; program development and staff development. Field trips required. (Alt/yrs)

Prereq: [Rec 320](#)

Rec 495 (s) Practicum in Tutoring (1 cr, max arr)

Tutorial services performed by advanced students under faculty supervision. Graded P/F.

Prereq: [Rec 280](#) or Permission

Rec 498 (s) Internship in Recreation (cr arr)

Supervised field work with a professional recreation agency.

Prereq: [Rec 280](#), [445](#), and [Senior standing](#) [Rec 495](#)

4. Change the curricular requirements of **Exercise Science and Health (B.S.P.E.) [Effective: Summer 2011]**

Required course work includes the university requirements (see regulation J-3), the Department of HPERD core, and the following.

Biol 120	Human Anatomy (4 cr)
Biol 121	Human Physiology (4 cr)
FCS 205	Concepts in Human Nutrition (3 cr)
H&S 288	First Aid: Emergency Response (or current Emergency Response or First Aid/CPR certification) (2 cr)
H&S 450	Critical Health Issues (3 cr)
H&S 451	Psychosocial Determinants of Health (3 cr)
H&S 490	Health Promotion (3 cr)
HPRD 445	Internship Practicum (1 cr)
PEP 100	Introduction to Sport Sciences (1 cr)
PEP 300	Applied Human Anatomy and Biomechanics (3 cr)
PEP 360	Motor Behavior (3 cr)
PEP 418	Physiology of Exercise (3 cr)
PEP 455	Design & Analysis of Research in HPERD (3 cr)
PEP 493	Fitness Assessment and Prescription or
PEP 305	Applied Sports Psychology (3 cr)
PEP 495	Practicum (3 cr)
PEP 498	Internship in Exercise Science & Health (summer preferred) (9 cr)

PE activity/skill classes (see advisor for selection) (5 cr)

One of the following (3 cr):

Engl 207	Persuasive Writing (3 cr)
Engl 208	Personal and Exploratory Writing (3 cr)
Engl 209	Inquiry-Based Writing (3 cr)
Engl 313	Business Writing (3 cr)
Engl 317	Technical Writing (3 cr)

Electives to total 128 cr for the degree

5. Change the curricular requirements of **Physcial Education (B.S.P.E.) [Effective: Summer 2011]**

Required course work includes the university requirements (see regulation J-3), the Department of HPERD core, the Idaho Technology Competency Certification and the following course work:

Movement Courses (All to be completed prior to pedagogy course sequence)

Dan 105	Dance (1 cr)
Dan 360	Children's Dance (1 cr)
PEB 108	Water-Based Sports and Fitness Activities (1 cr)
PEP 107	Movement Fundamentals (1 cr)

Individual Skill Courses (All to be completed prior to or concurrent with Pedagogy course sequence)

PEP 132	Skill and Analysis of Tennis, Pickleball, and Badminton (1 cr)
PEP 133	Skill and Analysis of Golf, Softball and Archery (1 cr)
PEP 134	Skill and Analysis of Walking/Jogging/Track and Field (1 cr)

Team Skill Courses (All to be completed prior to or concurrent with Pedagogy course sequence)

PEP 135	Skill and Analysis of Basketball and Volleyball (1 cr)
PEP 136	Skill and Analysis of Soccer and Speedball (1 cr)

Outdoor/Recreational Skill Courses (All to be completed prior to or concurrent with Pedagogy course sequence)

PEP 243	Recreation Activities (2 cr)
Rec 125	Outdoor Leisure Pursuits (2 cr)

Foundation Courses

Biol 120	Human Anatomy (4 cr)
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Biol 121	Human Physiology (4 cr)
H&S 288	First Aid: Emergency Response (or current Emergency Response and CPR certification at the time of graduation) (2 cr)
PEP 161	Introduction to Physical Education (1 cr)
PEP 300	Applied Human Anatomy and Biomechanics (2 cr)
PEP 360	Motor Behavior (3 cr)
PEP 380	Assessment & Research in Physical Activity Pedagogy (3 cr)
PEP 418	Physiology of Exercise (3 cr)

Pedagogy Courses

Note: Acceptance into the physical education pedagogy sequence requires completion with no grade lower than a "C" in movement and skill courses, at least 6 of the 14 credits of required skill courses, PEP 161, 300, 360, EDCI 201, 301, minimum 2.75 GPA, appropriate portfolio evidence, and advisor recommendation.

PEP 412	Elementary Methods in Physical Activity Pedagogy (3 cr)
PEP 414	Proseminar in Physical Education (1 cr)
PEP 421	Secondary Methods in Physical Activity Pedagogy (3 cr)
PEP 424	Adapted Methods in Physical Activity Pedagogy (2 cr)
PEP 440	Curriculum & Administration in Physical Activity Pedagogy (1 cr)

General College of Education Requirements

EDCI 201	Contexts of Education (2 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 401	Internship Seminar (1 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
PEP 484	Internship in Physical Education Teaching (14 cr)
Psyc 101	Intro to Psychology or
Psyc 305	Developmental Psychology (3 cr)

Advanced Composition Requirement (Select one of the following) (3 cr):

Engl 207	Persuasive Writing (3 cr)
Engl 208	Personal and Exploratory Writing (3 cr)
Engl 209	Inquiry-Based Writing (3 cr)
Engl 313	Business Writing (3 cr)
Engl 317	Technical Writing (3 cr)

Note: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a cumulative GPA of 2.75. For admission criteria, refer to "Admission to the Teacher Education Program" in the College of Education section in Part 4.

History

1. Change the description and title of the following courses [**Effective:** Summer 2011]

Hist J455/J555 ~~20th Century~~ **Modern Europe (3 cr)**

~~The political, social and economic evolution of Europe, from the Atlantic to the Urals, since the beginning of the 20th century. World Wars, revolutions, and totalitarianism; decline and fall of the European empires; rise of a New Europe.~~

2. Change the cross-list status of the following course [**Effective:** Summer 2011]

Hist J447/J547 **The Renaissance (3 cr)**

~~Same as ReIS 447.~~ Explores the transformative movement known as the European Renaissance. Examines how humanism not only shaped and formed art, music, literature and philosophy but also informed one's relationship to the state. Additional projects/assignments required for graduate credit.

Interdisciplinary Studies

1. Add the following course [**Effective:** Summer 2011]

Intr J410/J510 **Responsible Research Conduct (1 cr)**

Responsible conduct of research training is required for all undergraduate, graduate and post-doctoral scholars funded on NIH or NSF grants. This course meets the NIH and NSF requirements and reviews regulations, policies, resources related to research misconduct, conflict of interest, ethics, human participants, animal welfare, biosafety, export control, data acquisition (ownership, sharing, management), mentor/mentee relationships, collaborations, and publication practices and responsible authorship.

Journalism and Mass Media

1. Change the prerequisites of the following course [**Effective:** Summer 2011]

JAMM 121 Media Writing (3 cr)

Basic principles of writing for print, broadcast and online media; skills in identifying and evaluating credible information. Two 2-hr lec-labs a wk. Recommended Preparation: Ability to type.

Prereq: Engl 102 and JAMM 100 with a grade of C or better

2. Change the title of the following course [**Effective:** Summer 2011]

JAMM 225 Reporting I (3 cr)

Writing news for print, broadcast and online media. Introduction to newsroom structures and processes, news judgment and decision making. Two 2-hr lectures/labs a wk.

Prereq: JAMM 121

3. Change the description and prerequisites of the following course [**Effective:** Summer 2011]

JAMM 498 (s) Internship (0-3 cr, max 6)

Supervised experience in professional media outlet, non-profit organization, government agency, or educational institution. Graded P/F.

Prereq: ~~Permission of director, School of Journalism and Mass Media~~ Junior Standing and JAMM 225, JAMM 252, JAMM 265, or JAMM 275; or Permission of Instructor

4. Change the description, number, and title of the following course [**Effective:** Summer 2011]

JAMM ~~427-327~~ Public Affairs Reporting II (3 cr) (JAMM 427)

Interviewing, database research, access to public records and meetings, and development of in-depth news story structure. Includes coverage of government, politics and other public issues. Recommended Preparation: PolS 275, Problems and practice in reporting the courts, government, politics, other public issues.

Prereq: JAMM 225 or Permission

5. Change the curricular requirements of **Journalism** (B.A. or B.S.) [**Effective:** Summer 2011]

Required course work includes the university requirements (see regulation J-3), the School of Journalism and Mass Media core, and the following:

JAMM 225 Reporting I (3 cr)

JAMM 322 Broadcast News or

JAMM 327 Reporting II (3 cr)

Twelve credits from this list:

JAMM 322 Broadcast News (3 cr)

JAMM 324 News Editing and Production (3 cr)

JAMM 325 Publications Editing (3 cr)

JAMM 327 Reporting II (3 cr)

JAMM 420 Public Radio Journalism (3 cr)

JAMM 422 Advanced Broadcast News (3 cr)

JAMM 425 Feature Article Writing (3 cr)

JAMM 426 Narrative Journalism (3 cr)

JAMM 427 Public Affairs Reporting (3 cr)

JAMM 428 Environmental Journalism (3 cr)

(Journalism majors are encouraged to pursue their studies across media, including print, broadcast and online journalism.)

Leadership and Counseling

1. Add the following course [**Effective:** Summer 2011]

AOLL 509 Foundations of Adult Basic Education (3 cr)

Foundations of Adult Basic Education includes the study of current literature and research related to various aspects of Adult Basic Education and GED Preparation. Topics include: Accountability, Standards, and Research; Program Structures and Instruction; Rethinking Assumptions and Concepts; Improving Language, Citizenship, and Training; Adult & Family Literacy; Identity and Development in Work, School, and Community. Recommended Preparation: Bachelor's degree.

Recommended Short Title: Foundations of Adult Basic Edu

Mathematics

1. Add the following course [**Effective:** Summer 2011]

Math 579 Combinatorics (3 cr)

Topics from enumerative combinatorics, design theory, extremal combinatorics and algebraic combinatorics. (Fall, alt/yrs)

2. Change the prerequisites of the following courses [**Effective:** Summer 2011]

Math 130 Finite Mathematics (3 cr)

May be used as core credit in J-3-c. Systems of linear equations and inequalities, matrices, linear programming, and probability.

Prereq: Sufficient score on SAT, ACT, or COMPASS Math Test; *or Math 108 with a C or better.* *Required test scores can be found here:* <http://www.uidaho.edu/registrar/registration/placement/math>.

Math 144 Analytic Trigonometry (1 cr)

Not open for cr to students who have previous high school or college cr in trigonometry. Trigonometric functions, inverse functions, applications. Taught using the Polya Math Center, a studio environment featuring group study, one-to-one interaction with instructors, computer-mediated modules, and lectures.

Prereq: Sufficient score on SAT, ACT, or COMPASS Math Test. *Students may qualify by enrolling concurrently in Math 143 or Math 170.2-yrs high school algebra (or Math 143) and 1 yr plane geometry, and/or Coreq: Math 143 or 170.* *Required test scores can be found here:* <http://www.uidaho.edu/registrar/registration/placement/math>.

Math 160 Survey of Calculus (4 cr)

May be used as core credit in J-3-c. Carries no credit after Math 170. Functions, graphing, derivative, integral, exponential and logarithmic functions, functions of several variables. Primarily for students in business, life sciences or architecture who need only one semester of calculus.

Prereq: *One yr of high school geometry and one of the following: (1) 1-1/2 yrs high school algebra and sufficiently Sufficient high score on SAT, ACT, or COMPASS Math Test, or (2) Math 137 with a C or better, or (3) Math 143 with a C or better.* *Required test scores can be found here:* <http://www.uidaho.edu/registrar/registration/placement/math>.

3. Change the curricular requirements of **Mathematics (B.S.)** [**Effective:** Summer 2011]

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B. Applied - Statistics Option

The emphasis is on the design and analysis of experiments. With a major or minor in another department this is an excellent preparation for work in industry or for graduate school in Statistics.

Math Courses:

- Math 451 Probability Theory (3 cr)
- Math 452 Mathematical Statistics (3 cr)

At least two courses from the following (6 cr):

- Math 395 Analysis of Algorithms (3 cr)
- Math 426 Discrete Optimization (3 cr)
- Math 428 Numerical Methods (3 cr)
- Math 432 Numerical Linear Algebra (3 cr)
- Math 471 Introduction to Analysis 1 (3 cr)
- Math 472 Introduction to Analysis 2 (3 cr)

Supporting Courses:

- CS 112 Introduction to Problem Solving and Programming **or**
- CS 120 Computer Science I (3-4 cr)
- Stat 401 Statistical Analysis (3 cr)
- [Stat 423 Beginning SAS Programming \(1 cr\)](#)
- [Stat 426 SAS Programming \(3 cr\)](#)

One course selected from the following (3-4 cr):

- Stat 251 Statistical Methods (3 cr)
- Stat 301 Probability and Statistics (recommended) (3 cr)

At least two courses from the following (6 cr):

- Econ 353 Quantitative Economics and Forecasting (3 cr)
- Math 453 Stochastic Models (3 cr)
- Stat 422 Sample Survey Methods (3 cr)
- Stat 507 Experimental Design (3 cr)
- Stat 550 Regression (3 cr)
- Stat 514 Nonparametric Statistics (3 cr)
- Stat 519 Multivariate Analysis (3 cr)
- Stat 555 Statistical Ecology (3 cr)

Approved electives in fields where statistics is applied (not to be in Statistics (Stat) courses) (6 cr)

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E. Applied - Actuarial Science and Finance Option

This curriculum provides the background to become an actuary and work in the insurance industry, or to work in finance.

Math courses:

- Math 310 Ordinary Differential Equations (3 cr)
- Math 451 Probability Theory (3 cr)
- Math 452 Mathematical Statistics (3 cr)

In addition to the above courses, an additional three math courses numbered above 400, excluding Math 513-519 (9 cr)

Supporting courses:

- Acct 201 Introduction to Financial Accounting (3 cr)
- Acct 202 Introduction to Managerial Accounting (3 cr)
- Bus 301 Financial Management (3 cr)
- CS 112 Introduction to Problem Solving and Programming or
- CS 120 Computer Science I (3-4 cr)
- Econ 201 Principles of Economics (3 cr)
- Econ 202 Principles of Economics (3 cr)
- Stat 401 Statistical Analysis (3 cr)
- [Stat 423 Beginning SAS Programming or](#)
- [Stat 426 SAS Programming \(3 cr\)](#)
- Bus 339 Spreadsheet Modeling (1 cr)

At least ~~two~~^{three} courses selected from the following (~~6-7-9~~ cr):

- Bus 302 Intermediate Financial Management (3 cr)
- [Bus 364 Insurance \(3 cr\)](#)
- Bus 408 Security Analysis (3 cr)
- Bus 463 Portfolio Management (3 cr)
- Bus 464 Derivatives and Financial Engineering (3 cr)
- Bus 465 Introduction to Market Trading (3 cr)
- Bus 481 International Finance (3 cr)
- Econ 351 Intermediate Macroeconomic Analysis (3 cr)
- Econ 352 Intermediate Microeconomic Analysis (3 cr)
- [Math 455 Applied Actuarial Science \(1 cr\)](#)

Both of the following:

- [Bus 364 Insurance \(3 cr\)](#)
- [Math 455 Applied Actuarial Science \(1 cr\)](#)

One course selected from the following (3-4 cr):

- Stat 301 Probability and Statistics (recommended) (3 cr)
- Stat 251 Statistical Methods (3 cr)

One course selected from the following (3 cr):

- Econ 353 Quantitative Economics and Forecasting (3 cr)
- Stat 433 Econometrics (3 cr)
- Stat 550 Regression (3 cr)

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Music

1. Drop the following courses [**Effective:** Summer 2011]

MusA 247 Piano Proficiency Review (1 cr)

Review of material presented in MusA 145-246. Preparation for Piano Proficiency Exam.

Prereq: MusA 246 with a grade of 'C' or better

Recommended Equivalency: None

MusC 120 Fundamentals of Music (2 cr)

For students in fields other than music. Instruction in reading and writing music notation, scales and basic harmonies through musical activities such as singing, playing simple instruments, and interacting with composing software. Not open to students who have taken MusC 141.

Recommended Equivalency: None

MusH J440/J540 (s) Studies in American Music (3 cr)

Selected topics in American music. Additional projects/assignments required for graduate credit. (Spring, Alt/odd yrs)

Prereq: MusH 321-323 or Permission

Recommended Equivalency: None

MusH J453/J553 Opera Repertoire (2 cr)

Open to all students. Selected masterworks of opera literature. Additional projects/assignments required for graduate credit. (Fall, Alt/odd yrs)

Prereq: Junior standing and Permission

Recommended Substitution: 300/400-level music history elective

2. Add the following courses [**Effective:** Summer 2011]

MusH J420/J520 Studies in World Music (3 cr)

Selected topics in the music of world cultures. Additional projects/assignments required for graduate credit. (Spring, alt/odd yrs)

Prereq: MusH 321, MusH 322, and MusH 323; or Permission

3. Change the prerequisites of the following courses [**Effective:** Summer 2011]

MusH 330 History of Music Theatre (3 cr)

A study of the development of American musical theatre. Students will analyze the forms and styles of representative works. May not be counted as a required music history elective for music majors. (Spring, Alt/even yrs)

Prereq: ~~MusH 101 or MusH 111, with a grade of C or better, or Permission~~

MusT 383 Principles of Music Teaching (3 cr)

Philosophy, principles, curriculum, and organization of the school music program. Must be taken before enrolling in MusT 432. (Fall only)

Prereq: ~~EDCI 201 and MusC 142; or Permission~~

MusX 283 (s) Diction for Singers (1-2 cr)

Two-semester sequence in study of English and foreign language diction as represented by the International Phonetic Association.

Prereq: ~~Music Major or Permission~~

MusX 284 (s) Diction for Singers (2 cr)

Two-semester sequence in study of English and foreign language diction as represented by the International Phonetic Association.

Prereq: ~~MusX 283~~

4. Change the co-requisites of the following courses [**Effective:** Summer 2011]

MusT 465 Jazz Band Rehearsal Techniques (1 cr)

Methods, materials, and literature for jazz bands in public schools. (Fall, alt/odd yrs)

Coreq: ~~MusT 466 and MusT 467; and MusA 323 or MusA 365 (Jazz Combo)~~

MusT 466 Marching Band Techniques (1 cr)

Techniques of drilling; materials for field and street maneuvers; preparation of shows. (Fall, alt/odd yrs)

Prereq: ~~MusC 242~~

Coreq: ~~MusT 465 and MusT 467~~

MusT 467 Band Literature and Rehearsal Techniques (1 cr)

Music, materials and rehearsal techniques for bands in public schools. (Fall only)

Prereq: MusT 383

Coreq: MusT 465 and MusT 466

5. Change the curricular requirements of **Music** (B.A., B.S., B.Mus., & B.F.A.) [Effective: Summer 2011]

Keyboard Proficiency. Minimum keyboard proficiency for all music majors, including transfer students but excluding BFA musical theatre majors, is met by passing the LHSOM keyboard proficiency examination. Transfer students who have either completed all required piano classes or have passed a proficiency exam at another accredited institution, must take the LHSOM keyboard proficiency exam within their first two semesters, or they will be required to take the two-year class piano sequence. The keyboard proficiency exam must be completed by music majors (other than piano majors) prior to enrollment in MusA 114, Studio Instruction: Piano. For more information, go to www.class.uidaho.edu/music/studies.asp.

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Upper-Division Standing (UDS). For a B.Mus., B.A. and B.S. music major to enroll in MusA 324 or 334, or for a composition major to enroll in MusC 325, the student must have been granted upper-division standing (UDS). Except for double majors where one major is not in music, students applying for UDS must: (1) have completed three semesters of music theory (MusC141/142/241), Aural Skills (MusC 139/140/239), one semester of music history (MusH 111), and three semesters of Piano Class (MusA 145/146/245), all with a grade of "C" or better; (2) have passed with a grade of "C" or better or be currently enrolled in Theory IV (MusC 242), Aural Skills IV (MusC 240), and Piano Class IV (MusA 246); and (3) have passed a special jury examination demonstrating the mastery of the fundamentals of the student's major area of performance/composition and the potential to continue improving in a manner that will lead to the successful completion of performance/composition requirements of the degree and major emphasis (the jury examination requirement must be met, regardless of double majors, before a student can enroll in MusA 324, 334, or MusC 325). **Transfer students with at least two years of college study as a music major may apply for UDS if they have at least one year of music theory, aural skills and piano, one semester of music history, four semesters of studio instruction at the music major level and the approval of the studio instructor or area coordinator in the case of voice and keyboard.** An Upper Division Standing jury examination presented after the third week will not count towards the semester in which it was presented. Students who fail to pass the UDS requirements within three tries **are ineligible to continue to pursue a music major, will be asked to leave the program.**

For a B.F.A. musical theatre major to enroll in MusA 324, the student must have been granted B.F.A. standing. B.F.A. musical theatre students applying for B.F.A. standing must: (1) have completed two semesters of music theory, two semesters of aural skills, one semester of music history (MusH 101 or 111), and two semesters of class piano all with a grade of "C" or better; and (2) have passed a special jury examination demonstrating the mastery of the fundamentals of the student's major area of performance and the potential to continue improving in a manner that will lead to the successful completion of performance requirements of the degree. Students who fail to pass the UDS requirements within three tries will be asked to leave the program.

In order to register for upper-division music education courses (not including instrumental techniques courses), an undergraduate music education major must: (1) make application to upper-division music education courses by completing and submitting an application form (available in the music office) to the chair of the Music Education Committee—this should be done in the semester in which the student applies for upper division standing (UDS). If the student does not pass UDS, he/she must resubmit a music education application form; (2) successfully complete EDCI 201 and the necessary core courses to meet the requirements of the application to Teacher Education in the College of Education; (3) obtain a "C" or better in music courses and at least a 2.5 overall GPA; and (4) pass the studio instruction upper-division standing jury.

Application for Candidacy in the B.F.A. Musical Theatre Program. The Bachelor of Fine Arts degree in Musical Theatre is a rigorous training program for students wishing to pursue a career in musical theatre. In order for a B.F.A. candidate to enroll in MusA 324 Studio Instruction and The 425 Acting Studio, the student must be admitted to the B.F.A. Musical Theatre program. Students applying for candidacy in the B.F.A. Musical Theatre program must: (1) have completed MusC141 Music Theory, MusC 139 Aural Skills, one semester of MusA 115 and two semesters of MusA 124 Studio Instruction, MusA 145 Class Piano and The 105 Basics of Performance, with a grade of "C" or better in all completed courses; (2) have completed or be currently enrolled in MusC 142 Music Theory, MusC 140 Aural Skills, MusH 101 Survey of Music or MusH 111 Introduction to Music Literature, a third semester of MusA 124 Studio Instruction, MusA 146 Class Piano, The 101 Intro to the Theatre, The 106 Basics of Performance and The 305 Intermediate Acting, with a grade of "C" or better in all completed courses; (3) have a minimum 3.0 overall gpa or better; (4) submit a portfolio; (5) have passed the B.F.A. audition demonstrating the mastery of the fundamentals of voice and acting and the potential to continue improving in a manner that will lead to the successful completion of the requirements of the degree and (6) have faculty approval. **Transfer students with at least two years of college study as a musical theatre major, may apply for candidacy in the B.F.A. Musical Theatre program if they have at least one year of music theory, aural skills and piano, one semester of music history, four semesters of studio instruction at the music major level, and The 101 Intro to the Theatre, The 105/106 Basics of Performance and The 305 Intermediate Acting. Students who fail to pass the BFA audition within three tries are ineligible to continue to pursue a Musical Theatre major.**

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(The following appears in multiple music majors)

Note: In order to graduate, piano students must pass a Keyboard Scale and Arpeggio Proficiency Exam. This exam is to be completed either at the senior recital audition or at a piano jury during the student's final year in school.

6. Change the curricular requirements of **Music: Vocal Performance (B.Mus.) [Effective: Summer 2011]**

Required course work includes the university requirements (see regulation J-3) and:

MusA 115	Studio Instruction (2 cr)
MusA 134	Studio Instruction (9 cr)
MusA 145 and MusA 245	Piano Class for Music Majors/Minors (2 cr)
MusA 146 and MusA 246	Piano Class for Music Majors/Minors (2 cr)
MusA 334	Studio Instruction (12 cr)
MusA 380	Opera/Musical Theatre Studio (two different semesters) (2 cr)
MusA 387	Conducting I (2 cr)
MusA 490	Half Recital (0 cr)
MusA 491	Recital (0 cr)
MusC 139-140, 239-240	Aural Skills (6 cr)
MusC 141-142, 241-242	Theory of Music (10 cr)
MusC 331	Counterpoint (3 cr)
MusC 442	Musical Analysis (2 cr)
MusH 111	Introduction to Music Literature (3 cr)
MusH 321, 322, 323	Music in Western Civilization (9 cr)
MusH 452	Solo Vocal Repertoire (2 cr)
MusH 453	Opera Repertoire (2 cr)
MusT 435	Pedagogy and Materials: Voice (2 cr)
MusX 101	Orientation for Music Majors (0 cr)
MusX 140	Convocation (seven semesters) (0 cr)
MusX 283-284	Diction for Singers (4 cr)
MusH elective at the 300/400 level	(3 cr)
Foreign language (two years of one language or one year each of two languages) (16 cr)	
Major ensemble (eight different semesters chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus) (8 cr)	
Music electives to complete 84 cr in music (2-1 cr)	
Electives to total 128 cr for the degree	

7. Change the curricular requirements of **Music Education: Vocal (B.Mus.) [Effective: Summer 2011]**

Required course work includes the university requirements (see regulation J-3) and the specific requirements in one of the two sections below:

A. Voice

Comm 101	Fundamentals of Public Speaking (2 cr)
EDCI 201	Contexts of Education (2 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
MusA 114	Studio Instruction: Piano (2 cr)*
MusA 115	Studio Instruction (2 cr)
MusA 124	Studio Instruction: Voice (6 cr)
MusA 145 and MusA 245	Piano Class for Music Majors/Minors (2 cr)
MusA 146 and MusA 246	Piano Class for Music Majors/Minors (2 cr)
MusA 324	Studio Instruction: Voice (6 cr)
MusA 380	Opera/Musical Theatre Studio (1 cr)
MusA 387, 487	Conducting I, II (4 cr)
MusA 490	Half Recital (0 cr)

MusC 139-140, 239-240	Aural Skills (6 cr)
MusC 141-142, 241-242	Theory of Music (10 cr)
MusC 328	Instrumental and Choral Arranging (3 cr)
MusH 111	Introduction to Music Literature (3 cr)
MusH 321, 322, 323	Music in Western Civilization (9 cr)
MusT 382	Elementary School Music Methods for Music Majors (3 cr)
MusT 383	Principles of Music Teaching (3 cr)
MusT 385	Choral Music in the Secondary School (2 cr)
MusT 432	Practicum: Music Teaching (14 cr)
MusT 435	Pedagogy and Materials: Voice (2 cr)
MusT 445	Proseminar in Music Teaching (2 cr)
MusT 485	Choral Ensemble Rehearsal Techniques (1 cr)
MusX 101	Orientation for Music Majors (0 cr)
MusX 140	Convocation (seven semesters) (0 cr)
MusX 283-284	Diction for Singers (4 cr)
Psyc 101	Introduction to Psychology (3 cr)
Major ensemble (six different semesters chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus) (6 cr)	
Other ensemble (one semester chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus, MusA 118/318 Jazz Choir, MusA 365 Chamber Ensemble, MusA 380 Opera/Musical Theatre Studio) (1 cr)	
<i>* Voice majors must register for piano class before enrolling in applied piano instruction.</i>	

B. Keyboard

Note: In order to graduate, piano students must pass a piano scale and arpeggio proficiency exam. This exam is to be completed either at the senior recital audition or at a piano jury during the student's final year in school.

Comm 101	Fundamentals of Public Speaking (2 cr)
EDCI 201	Contexts of Education (2 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
MusA 114	Studio Instruction: Voice (5 cr)*
MusA 115	Studio Instruction (2 cr)
MusA 124	Studio Instruction: Piano (6 cr)
MusA 147	Voice Class (1 cr)
MusA 246	Piano Class for Music Majors/Minors (1 cr)
MusA 315	Collaborative Piano (2 cr)
MusA 324	Studio Instruction: Piano (6 cr)
MusA 380	Opera/Musical Theatre Studio (1 cr)
MusA 387, 487	Conducting I, II (4 cr)
MusA 490	Half Recital (0 cr)
MusC 139-140, 239-240	Aural Skills (6 cr)
MusC 141-142, 241-242	Theory of Music (10 cr)
MusC 328	Instrumental and Choral Arranging (3 cr)
MusH 111	Introduction to Music Literature (3 cr)
MusH 321, 322, 323	Music in Western Civilization (9 cr)
MusT 382	Elementary School Music Methods for Music Majors (3 cr)
MusT 383	Principles of Music Teaching (3 cr)
MusT 385	Choral Music in the Secondary School (2 cr)
MusT 432	Practicum: Music Teaching (14 cr)
MusT 435	Pedagogy and Materials: Voice (2 cr)
MusT 445	Proseminar in Music Teaching (2 cr)
MusT 485	Choral Ensemble Rehearsal Techniques (1 cr)
MusX 101	Orientation for Music Majors (0 cr)
MusX 140	Convocation (seven semesters) (0 cr)
MusX 283-284	Diction for Singers (4 cr)
Psyc 101	Introduction to Psychology (3 cr)
Major ensemble (six different semesters chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus) (6 cr)	

Other ensemble (one semester chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus, MusA 118/318 Jazz Choir, MusA 365 Chamber Ensemble, MusA 380 Opera/Musical Theatre Studio) (1 cr)

* *Keyboard majors must register for voice class before enrolling in applied voice instruction.*

8. Change the curricular requirements of **Music Education: Instrumental** (B.Mus.) [Effective: Summer 2011]

Required course work includes the university requirements (see regulation J-3) and:

Comm 101	Fundamentals of Public Speaking (2 cr)
EDCI 201	Contexts of Education (2 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
MusA 115	Studio Instruction (2 cr)
MusA 124	Studio Instruction (6 cr)
MusA 145 and MusA 245	Piano Class for Music Majors/Minors (2 cr)
MusA 146 and MusA 246	Piano Class for Music Majors/Minors (2 cr)
MusA 387, 487	Conducting I, II (4 cr)
MusA 324	Studio Instruction (6 cr)
MusA 490	Half Recital (0 cr)
MusC 139-140, 239-240	Aural Skills (6 cr)
MusC 141-142, 241-242	Theory of Music (10 cr)
MusC 328	Instrumental and Choral Arranging (3 cr)
MusH 111	Introduction to Music Literature (3 cr)
MusH 321, 322, 323	Music in Western Civilization (9 cr)
MusT 251, 253, 254, 255, 352	Instrumental Techniques (5 cr)
MusT 382	Elementary School Music Methods for Music Majors (3 cr)
MusT 383	Principles of Music Teaching (3 cr)
MusT 386	Instrumental Music in the Secondary School (2 cr)
MusT 432	Practicum: Music Teaching (14 cr)
MusT 445	Proseminar in Music Teaching (2 cr)
MusT 465	Jazz Band Rehearsal Techniques (1 cr)
MusT 466	Marching Band Techniques (1 cr)
MusT 467	Band Literature and Rehearsal Techniques (1 cr)
MusT 486	Orchestral Literature and Rehearsal Techniques (1 cr)
MusX 101	Orientation for Music Majors (0 cr)
MusX 140	Convocation (seven semesters) (0 cr)
Psyc 101	Introduction to Psychology (3 cr)
Major ensembles (six different semesters) (6 cr)*	
Other ensembles (two different semesters chosen from MusA 119/319 Marching Band, MusA 121/321 Concert Band, MusA 122/322 Orchestra, MusA 125/325 Symphonic Band or MusA 320 Wind Ensemble, MusA 323 Jazz Ensemble, MusA 365 Chamber Ensemble, MusA 366 Orchestral Repertoire (maximum of one semester)) (students whose major applied medium is keyboard must select MusA 315 Collaborative Piano to satisfy this requirement) (2 cr)	

Electives to total 128 cr for the degree

9. Change the curricular requirements of **Music Education: Vocal-Instrumental** (B.Mus.) [Effective: Summer 2011]

Required course work includes the university requirements (see regulation J-3) and:

Comm 101	Fundamentals of Public Speaking (2 cr)
EDCI 201	Contexts of Education (2 cr)
EDCI 301	Learning, Development, and Assessment (3 cr)
EDCI 302	Teaching Culturally Diverse Learners (4 cr)
EDCI 463	Literacy Methods for Content Learning (3 cr)
EDSP 300	Educating for Exceptionalities (2 cr)
MusA 114	Studio Instruction (voice) (3 cr)
MusA 115	Studio Instruction (2 cr)

MusA 124	Studio Instruction (instrumental) (6 cr)
MusA 145 and MusA 245	Piano Class for Music Majors/Minors (2 cr)
MusA 146 and MusA 246	Piano Class for Music Majors/Minors (2 cr)
MusA 147	Voice Class (1 cr)
MusA 324	Studio Instruction (6 cr)
MusA 387, 487	Conducting I, II (4 cr)
MusA 490	Half Recital (0 cr)
MusC 139-140, 239-240	Aural Skills (6 cr)
MusC 141-142, 241-242	Theory of Music (10 cr)
MusC 328	Instrumental and Choral Arranging (3 cr)
MusH 111	Introduction to Music Literature (3 cr)
MusH 321, 322, 323	Music in Western Civilization (9 cr)
MusT 251, 253, 254, 255, 352	Instrumental Techniques (5 cr)
MusT 382	Elementary School Music Methods for Music Majors (3 cr)
MusT 383	Principles of Music Teaching (3 cr)
MusT 385	Choral Music in the Secondary School (2 cr)
MusT 386	Instrumental Music in the Secondary School (2 cr)
MusT 432	Practicum: Music Teaching (14 cr)
MusT 445	Proseminar in Music Teaching (2 cr)
MusT 465	Jazz Band Rehearsal Techniques (1 cr)
MusT 466	Marching Band Techniques (1 cr)
MusT 467	Band Literature and Rehearsal Techniques (1 cr)
MusT 485	Choral Ensemble Rehearsal Techniques (1 cr)
MusT 486	Orchestral Literature and Rehearsal Techniques (1 cr)
MusX 101	Orientation for Music Majors (0 cr)
MusX 140	Convocation (seven semesters) (0 cr)
Psyc 101	Introduction to Psychology (3 cr)
Major ensembles (six different semesters)* (6 cr)	
Major ensembles (two different semesters chosen from MusA 116/317 Concert Choir - Vandaleers, MusA 117/ 317 University Chorus) (2 cr)	
Other ensembles (two different semesters chosen from MusA 119/319 Marching Band, MusA 121/321 Concert Band, MusA 122/322 Orchestra, MusA 125/325 Symphonic Band, or MusA 320 Wind Ensemble, MusA 323 Jazz Ensemble, MusA 365 Chamber Ensemble, MusA 366 Orchestral Repertoire (maximum of one semester)) (students whose major applied medium is keyboard must select MusA 315 Collaborative Piano to satisfy this requirement) (2 cr)	
Electives to total 128 cr for the degree	

10. Change the curricular requirements of **Music Theatre** (B.F.A.) [Effective: Summer 2011]

Required course work includes the university requirements (see regulation J-3) and:

MusA 115	Studio Instruction (2 cr)
MusA 124	Studio Instruction (6 cr)
MusA 145	Piano Class for Music Major/Minors (1 cr)
MusA 146	Piano Class for Music Majors/Minors (1 cr)
MusA 324	Studio Instruction (8 cr)
MusA 380	Opera/Musical Theatre Studio (in four different semesters) (4 cr)
MusA 491	Recital (0 cr)
MusC 139	Aural Skills I (2 cr)
MusC 140	Aural Skills II (2 cr)
MusC 141	Theory of Music I (2 cr)
MusC 142	Theory of Music II (2 cr)
MusH 111	Introduction to Music Literature or
MusH 101	Survey of Music (3 cr)
MusH 330	History of Music Theatre (3 cr)
MusX 101	Orientation for Music Majors (0 cr)
MusX 283	Diction for Singers (1 cr)
The 101	Introduction to the Theatre (3 cr)
The 105	Basics of Performance (3 cr)

The 106	Basics of Performance (3 cr)
The 206	Theatrical Makeup (1 cr)
The 305	Intermediate Acting (3 cr)
The 306	Intermediate Acting (3 cr)
The 390	Theatre Practice (in four different semesters; at least 2 semesters in production and 2 semesters in performance) (4 cr)
The 417	Movement Studio or
The 418	Voice Studio (3 cr, max 18)
The 425	BFA Acting Studio (12 cr)
Dance Electives (6 cr over 6 semesters) to be chosen from Dan 105, 216, and 416 in consultation with advisor*	
Major ensemble (four different semesters chosen from MusA 116/316 Concert Choir - Vandaleers, MusA 117/317 University Chorus) (4 cr)	

*Note: Transfer students must have a minimum of 2 semesters of dance at the University of Idaho

Philosophy

1. Add the following course [**Effective:** Summer 2011]

Phil 475 Philosophy, Law, & Literature (3 cr)

Examination of issues in jurisprudence and legal theory using philosophy and literature. Topics may include the nature of law, the interface of law and morality, and the ethics and obligations of legal and judicial practice. Readings from plays, novels, short stories, philosophy, and case law.

Plant, Soil, and Entomological Sciences

1. Drop the following dormant courses [**Effective:** Summer 2011]

PISc WS321 Olericulture Lab–Commercial Vegetable Crops (1 cr) WSU Hort 321

PISc WS531 Ornamental Plant Production (4 cr) WSU Hort 539

PISc WS592 (s) Advanced Topic in Cell Biology (1-3 cr, max 7) WSU MBios 526

Soil 455 Forest Soils: Morphology, Function, and Spatial Dynamics (3 cr)

2. Drop the following course [**Effective:** Summer 2011]

Soil ID&WS442 Environmental Research Methods (3 cr) WSU Soils 442

Field and laboratory characterization of soil, plant, and water samples in relation to plant growth and environmental problem solving; includes independent or team projects.

Prereq: Soil 205 and 422

3. Change the status of the following courses from dormant to active [**Effective:** Summer 2011]

Ent ID-J440/ID-J540 Insect Identification (4 cr) WSU Entom 439/539

Survey of approximately 200 major families; collecting and preservation techniques. For graduate credit, an additional 50 families and selected subfamilies and genera will be covered and a term paper is required. Two lectures and two 2-hr labs a week; two 1-day field trips. (Alt/yrs)

Prereq: Ent 322 or Permission

PISc WS518 Post-Harvest Biology and Technology (3 cr) WSU Hort 518

See PISc J418/J518.

PISc ID-J490/ID-J590 Potato Science (3 cr) WSU Hort 490/590

History, botanical characteristics, seed physiology and production, plant population, physiology of growth, and pest management; factors influencing maturation, harvest, yield, grade, bruise control, storage, and quality maintenance; economics of production and research on a global basis. Requirements for graduate credit include comprehensive term paper and class presentation on selected topic.

Soil ID526 Soil Mineralogy (3 cr) WSU Soils 526

Distribution and significance of common soil minerals; weathering and general reactivity as related to mineral structures; techniques of mineral identification including x-ray diffraction, chemical dissolution procedures, optical and electron microscopy. One lec and one 3-hr lab a wk. (Alt/yrs)

Prereq: Soil 422, 454 or Permission

Soil 546 Drinking Water and Human Health (3 cr)

Same as EnvS J446/J546. Understand the characterization, testing, and treatment of chemical, microbial and hazardous compounds and their impact on human health. Be familiar with drinking water standards, regulatory aspects and protection of municipal, community, and private well systems. (Spring, alt/yrs)

4. Change the description, prerequisites, title and status of the following courses from dormant to active [**Effective:** Summer 2011]

PISc WS301 Turfgrass Culture Management (3 cr) WSU CropS 301

[Principles of establishment and management of turf for lawns, parks, and golf courses. Field trip required. Recommended preparation: Majoring in Horticultural Sciences or Crop Sciences, or Professional Golf Management](#)

Prereq: Junior standing and 1 semester of Biology or Horticulture; or instructor permission.

5. Add the following course [**Effective:** Spring 2011]

PISc WS513 Plant Nematology (4 cr)

Anatomy and morphology of plant-parasitic nematodes, molecular plant-nematode interactions, genomics, symptoms, identification, techniques and control. (Spring, alt/odd yrs)

Prereq: PISc 415 or equivalent

6. Add the following courses [**Effective:** Summer 2011]

PISc WS-J413/WS-J513 Advanced Viticulture (3 cr)

Wine and juice grape production in eastern Washington. Wine and fruit physiology, climate and soils, and fruit quality. Recommended prep: Stat 251 or Stat 412.

Prereq: PISc 205, PISc 313, PISc 401, Chem 277, Chem 278, Soil 205, or instructor permission

PISc WS514 Phytobacteriology (4 cr) WSU PLP 514.

Isolation and characterization of bacteria having a saprophytic, symbiotic or pathogenic association with plants, molecular structure, function and genetics. (Alt/yrs)

Prereq: MMBB 250 and MMBB 380; or instructor permission

7. Change the description and joint-list status of the following course [**Effective:** Summer 2011]

PISc WS-J418/WS-J518 Post-Harvest Biology and Technology (3 cr) WSU Hort 418/518

[Physical and physiological basis for handling and storage practices; perishable organ ontogeny and physiological disorders; post-harvest environment requirements. Additional projects/assignments required for graduate credit.](#)

Prereq: PISc 202 and PISc 401; or instructor permission.

8. Change the cooperative status of the following courses [**Effective:** Summer 2011]

Soil ID-J415/J515 Soil and Environmental Physics (3 cr) WSU Soils 413

Physical properties of soils and their relationships to moisture, aeration, and temperature; plant-soil-atmospheric relationships; solute transport and soil salinity. Additional projects/assignments required for graduate credit. Two lectures and one 3-hr lab a week. Recommended Preparation: Soil 205, Soil 206, and Phys 111. (Fall, alt/yrs)

Soil ID422 Environmental Soil Chemistry (3 cr) WSU Soils 422

Chemical processes in soil environment. Recommended Preparation: Soil 205, Soil 206, and Chem 112 or Chem 113. (Alt/yrs)

Soil ID454 Soil Development and Classification (3 cr) WSU Soils 454

Relationship of soil development to soil properties; soil profile descriptions and classification. Two lec and one 2-hr lab a wk; two 1-day or one 2-day field trips. Recommended Preparation: Soil 205 and 206.

9. Change the credits of the following course [**Effective:** Summer 2011]

PISc WS332 Interior Landscaping (2-3 cr) WSU Hort 332

10. Change the description and title of the following course [**Effective:** Summer 2011]

Soil 454 Soil Development and Classification Pedology (3 cr)

~~Morphology, genesis, and classification of soils; distribution of soils as related to environmental processes and factors. Two lectures and one 4-hr lab a week. Relationship of soil development to soil properties; soil profile descriptions and classification. Two lec and one 2-hr lab a wk; two 1-day or one 2-day field trips.~~ Recommended Preparation: Soil 205 and Soil 206.

Psychology and Communication Studies

1. Change the curricular requirements of **Communication Studies** (Minor) [Effective: Summer 2011]

Comm 101 Fundamentals of Public Speaking (2 cr)
 Comm 111 Introduction to Communication Studies (3 cr)
 Comm 233 Interpersonal Communication (3 cr)
 Comm 235 Organizational Communication (3 cr)

At least four of the following (12 cr):

~~Comm 332 Communication and the Small Group (3 cr)~~
 Comm 335 Intercultural Communication (3 cr)
 Comm 347 Persuasion (3 cr)
 Comm 404 Special Topics (3 cr)
 Comm 410 Conflict Management (3 cr)
~~Comm 421 Nonverbal Communication (3 cr)~~
 Comm 431 Applied Business and Professional Communication (3 cr)
 Comm 432 Gender and Communication (3 cr)
 Comm 433 Organizational Communication Theory, Research, and Application (3 cr)
 Comm 491 Communication and Aging (3 cr)
~~Comm 492 Dark Side of Communication (3 cr)~~

Religious Studies

1. Change the dormant status of the following course [Effective: Summer 2011]

ReIS 447 The Renaissance (3 cr)
 See Hist 447.

Sociology and Anthropology

1. Add the following courses [Effective: Summer 2011]

Anth 350 Food, Culture, and Society (3 cr)
 See Soc 350.

Soc 350 Food, Culture, and Society (3 cr)

Same as Anth 350. Examines the structural and cultural implications of eating and producing food in a global world. Utilizing a social scientific framework, it explores the history of particular foods and examines how food systems are racialized, classed and gendered. Primary foci include the social history of food holidays and taboos, the relationships between food and identity, the impact of agricultural production practices on food systems and food security, and forms of resistance to these impacts. Recommended Preparation: Anth 220 or a 200-level sociology course.

Prereq: Soc 101

2. Change the curricular requirements of **Sociology** (B.A. or B.S.) [Effective: Summer 2011]

Required course work includes the university requirements (see regulation J-3), the general requirements for either the B.A. or B.S. degree and the following courses (electives must be approved by the student's advisor):

Anth 100 Introduction to Anthropology (3 cr)
 Soc 101 Introduction to Sociology (3 cr)
 Soc 230 Social Problems **or**
 Soc 250 Social Conflict (3 cr)
 Soc 310 Methods of Social Research (3 cr)
 Soc 311 Development of Social Theory (3 cr)
 Stat 251 Statistical Methods (3 cr)

Related fields (common areas include: anthropology, economics, geography, history, political science, and psychology) (18 cr)*

One of the following (3 cr):

- Soc 423 Social Class & Stratification (3 cr)
- Soc 424 Soc of Gender (3 cr)
- Soc 427 Racial and Ethnic Relations (3 cr)
- Soc 439 Inequalities in the Justice System (3 cr)

*Note: Must be approved by student's advisor

Select one of the following emphases:

A. Criminology

- Soc 260 Intro to Deviance and Crime (3 cr)
- Soc 331 Criminology Theory (3 cr)
- Soc 401 Justice Policy Issues (3 cr)

One of the following (3 cr):

- PolS 467 Constitutional Law (3 cr)
- PolS 468 Civil Liberties (3 cr)
- PolS 469 The Judicial Process (3 cr)

Selected upper-division emphasis electives (9 cr):

- JS 425 Criminal Law (3 cr)
- Soc 315 Community Service Learning (1-4 cr, max 4)**
- Soc 320 Sociology of Substance Abuse (3 cr)
- [Soc 325 Family, Violence & Society \(3 cr\)](#)
- Soc 330 Juvenile Delinquency (3 cr)
- Soc 332 Corrections (3 cr)
- Soc 333 Elite and White Collar Crime (3 cr)
- Soc 334 Police and Social Control
- Soc 335 Terrorism, Society and Justice (3 cr)
- Soc 336 Comparative Criminal Justice Systems (3 cr)
- Soc 339 Crime and the Media (3 cr)
- Soc 367 Global Justice (3 cr)**
- Soc 403 Workshop (cr arr)
- Soc 404 Special Topics (cr arr)
- Soc 439 Inequalities in the Justice System (3 cr)
- Soc 450 Dynamics of Social Protest (3 cr)
- Soc 498 Internship (1-6 cr, max arr)**

**Note: A maximum of 3 credits may be earned in Soc 315, Soc 367, and Soc 498, respectively

B. Inequalities and Globalization

- Anth 301 or Introduction to Diversity and Stratification (3 cr)
- Soc 301
- Soc 343 Political Sociology (3 cr)
- Soc 440 Post-Colonialism (3 cr)

One of the following (in addition to the similar requirement above for the Sociology major) (3 cr):

- Soc 423 Social Class & Stratification (3 cr)
- Soc 424 Sociology of Gender (3 cr)
- Soc 427 Racial and Ethnic Relations (3 cr)
- Soc 439 Inequalities in the Justice System (3 cr)

Selected upper-division emphasis electives (9 cr):

- Soc 315 Community Service Learning (1-4 cr, max 4)**
- [Soc 323 Political Economy \(3 cr\)](#)
- [Soc 325 Family, Violence & Society \(3 cr\)](#)
- Soc 335 Terrorism, Society and Justice (3 cr)
- Soc 336 Comparative Criminal Justice Systems (3 cr)
- Soc 340 Social Change & Globalization (3 cr)
- [Soc 350 Food, Culture, and Society \(3 cr\)](#)
- Soc 367 Global Justice (3 cr)**
- Soc 403 Workshop (cr arr)
- Soc 404 Special Topics (cr arr)
- Soc 422 Religion, Culture & Society (3 cr)
- Soc 423 Social Class & Stratification (3 cr)
- Soc 424 Sociology of Gender (3 cr)
- Soc 427 Racial and Ethnic Relations (3 cr)

Soc 439	Inequalities in the Justice System (3 cr)
Soc 450	Dynamics of Social Protest (3 cr)
Soc 498	Internship (1-6 cr, max arr)**

***Note: A maximum of 3 credits may be earned in Soc 315, Soc 367, and Soc 498, respectfully*

C. General Sociology

Any combination of additional sociology courses. 18 credits must be upper-division courses. (21 cr)**

***Note: A maximum of 3 credits may be earned in Soc 315, Soc 367, and Soc 498, respectfully*

Statistical Science

1. Drop the following courses [Effective: Summer 2011]

Stat 423 Beginning SAS Programming (1 cr)

Coverage of a variety of methods for data manipulation, data management, and programming in the SAS language. DATA step programming methods including data transformation, functions for numeric and character data, input of complicated data files, and do loop usage. Data management topics include concatenating data files, sorting and merging data files and ARRAY statement usage. Graded Pass/Fail.

Prereq: Stat 251, 271, or 301

Recommended Substitution: Stat 426

Stat 424 Intermediate SAS Programming (1 cr)

SAS programming with several SAS modules such as SAS/Graph, SAS/IML, and SAS/Macro language. Graded Pass/Fail.

Prereq: Stat 251, 271, or 301 and Stat 423 or Equivalent experience

Recommended Substitution: Stat 426

Stat 425 Topics in SAS Programming (1 cr)

Topics in SAS programming, such as covering particular SAS modules in depth. Graded Pass/Fail.

Prereq: Stat 251, 271, or 301

Recommended Substitution: Stat 426

Stat ID&WS571 Reliability Theory (3 cr) WSU Math 573

Statistical concepts; stochastic material strengths and lifetimes; strength versus safety analysis; reliability of coherent systems; maintenance models; complex systems. (Alt/yrs)

Prereq: Math 451

2. Add the following courses [Effective: Summer 2011]

Stat 426 SAS Programming (3 cr)

Coverage of a variety of methods for data manipulation, data management, and programming in the SAS language. DATA step programming methods including data transformation, functions for numeric and character data, input of complicated data files, and do loop usage. Data management topics include concatenating data files, sorting and merging data files and ARRAY statement usage. SAS programming with SAS modules such as SAS/Graph, SAS/IML, and SAS/Macro language. Other topics in SAS programming, such as covering other SAS modules in depth.

Prereq: Stat 251 or Stat 301

Stat WS573 Reliability (3 cr)

Probabilistic modeling and inference; product-limit estimator; probability plotting; maximum likelihood estimation with censored data; regression models for accelerated life testing.

3. Change the description and the prerequisites of the following course [Effective: Summer 2011]

Stat 251 Statistical Methods (3 cr)

May be used as core credit in J-3-c. Cr is not given for Stat 251 after [Stat 271](#) or Stat 301. Intro to statistical methods including design of statistical studies, basic sampling methods, descriptive statistics, probability and sampling distributions; inference in surveys and experiments, regression, and analysis of variance.

Prereq: Math [108](#), Math 137, Math 143, Math 160, Math 170, or 2 yrs of high school algebra and Permission

FOR THE FACULTY'S INFORMATION

Correction to General Curriculum Report 259:

1. Change the number the following course [**Effective:** Summer 2011]

ME ~~WS512~~ ~~WS531~~ Crystal Plasticity (3 cr) WSU M E 513 and WSU MSE 513

Dislocation theory; slip; climb; mechanical properties of polycrystalline materials and application to important deformation processes.

Changes to Cooperative Courses Approved Since Last General Curriculum Report:

(ID = taught only at UI; WS = taught only at WSU, LC = taught only at LCSC; ID&WS = can be taught at both UI & WSU; ID&LC = can be taught at both UI & LCSC)

1. Change the title the following course [**Effective:** Summer 2011]

Geol WS552 ~~Analytical Methods~~ X-ray Analysis in Geology (3 cr) WSU Geol 552

Other Informational Changes:

1. Change the curricular requirements of **Accounting (M.Acct.)** [**Effective:** Summer 2011]

The Master of Accountancy degree requires 30 semester credits beyond the bachelor's degree, and is designed to meet the 150-credit requirement for taking the CPA examination in Idaho. Completion of this degree qualifies students to enter the public accounting profession in auditing, tax, or other positions ultimately requiring a CPA license.

Candidates must fulfill the requirements of the College of Graduate Studies and the Department of Accounting. See the College of Graduate Studies section of Part 4 for the general requirements applicable to the M.S. degree.

Students seeking the M.Acct. degree will develop a degree plan in consultation with their advisors, complete at least 30 credits of course work, and successfully complete a comprehensive [written examination paper and portfolio](#).

If a student has earned a BS in Accounting (or equivalent), the required courses include Acct 561, ~~570~~~~586~~, 590, and 592, plus one course chosen from Acct 515, 530, 584, 585, ~~586~~, 598, 599. In addition students must have taken at least one US tax class, [at least one cost/managerial accounting class](#) and at least one Business Law class at the upper-division undergraduate level or at the graduate level. An additional 15 credits are chosen from approved options. Those electing the thesis option include 6 credits of Acct 500 in the additional 15 credits (must still complete comprehensive written exam).

If a student has not earned a BS in Business (or equivalent), in addition to the above mentioned courses, the student must take or have taken at least 24 credits of business, economics, statistics, and business law courses at the undergraduate level or at the graduate level. These courses must include at least two business disciplines (e.g. management, marketing, and finance).

2. Change the curricular requirements of **Architecture (M.S.)** [**Effective:** Summer 2011]

Master of Science in Architecture. The Master of Science in Architecture offers a research program open to candidates who hold a professional degree in architecture ([B.Arch or M.Arch.](#)), B.S.Arch., ~~M.Arch.~~, or other degree holders who desire to embark on a career in architectural [consulting, research, and/or scholarship](#). The program is designed for independent study within one or more of the following areas of specialization: Computing and Visualization, Environment and Behavior, Urban Design, Community Design and Planning, and Sustainable Architecture and Planning. Graduate students work closely with their graduate committee to develop a detailed program of study. Acceptance into the program is contingent on the Graduate Program Committee's review of the candidate's statement of intent describing the area of specialization in which the candidate will focus, three letters of recommendation, and a portfolio. The Graduate School requires a completed application, university transcripts, [a resume](#), and an official TOEFL score, [when appropriate](#). Prospective students are encouraged to first correspond with the Chair of the Graduate Program about their interests. The chair will then direct the applicant to further sources if needed. The M.S. degree requires the completion of 30 credits of course work including a research thesis: Arch 520 Architectural Research Methods (3 cr), Arch 510 Graduate Seminar (3 cr), [Arch 504 Emerging Trends in Architectural Research \(1 cr\)](#), 16 credits of electives, and 8 credits for the research thesis.