

**College of Education, Health and Human Sciences
Proposed Catalog Changes
Effective Summer 2019**

CURRICULUM AND INSTRUCTION

1. Reactivate and change the following course:

CTE 306 Preservice for New ~~Professional Technical~~ Career and Technical Education Teachers

3 credits

Fundamental skills necessary for new teachers in secondary and postsecondary schools to be successful in meeting students.

Available via distance: Yes

Geographical Area: Moscow, CDA, Boise, Idaho Falls, Twin Falls

Rationale: The proposed change is a revision of the course name. The name change reflects current Idaho and terminology. This change has no resource implications; the course is already part of faculty load. This change will open opportunities for enrollment growth in the CTE program.

2. Change the following courses:

ED 587 ~~Advanced~~ Multivariate Quantitative Analysis in Education

3 credits

~~Advanced~~ a Analysis and application of multivariate of quantitative research methods in education and social sciences. The goal of the course is to expose students to multivariate statistics and quantitative research approaches. Topics include multiple correlation/regression, discriminate analysis, exploratory and confirmatory factor analysis, multivariate analysis of variance (MANOVA), multivariate analysis of covariance (MANCOVA), canonical correlation analysis, cluster analysis, log linear model, path analysis and structural equation modeling.

Prereq: ED 584 or Permission

Available via distance: Yes

Geographical Area: Online

Rationale: The proposed name and description change will help to clarify the content and purpose of the course. We propose to remove the word “advanced” and to replace it with “multivariate” in both the title and the description. In addition, the addition of the added description of “application” conveys the applied nature of the course. This course is an existing course and the proposed changes require no additional resources and do not affect workload.

EDCI 302 Teaching Culturally Diverse Learners

~~3~~ credits

Gen Ed: American Diversity

An examination of cultural and linguistic diversity in classrooms. Explores strategies for creating the culturally inclusive classroom that values diversity and supports student success. Examines the use of

instructional planning as a tool for motivation and classroom management. Includes ~~45 hours of practicum in K-12 classrooms~~. [required field experiences.](#)

Prereq: EDCI 301 or FCS 234; and admission to teacher education program

Available via distance: No

Geographical Area: Moscow, CDA

Rationale: The Department of Curriculum and Instruction proposes to change EDCI 302 from a four-credit to a three-credit course and embed the field experiences rather than a 45-hour stand-alone requirement. The proposed change will reduce required credits for all elementary and secondary teacher education candidate programs, making program requirements more achievable within four years. Survey data and interviews with K-12 educators and faculty indicate that embedded field experiences which focus on cultural and linguistic diversity in teaching and learning create more valuable field experiences for teacher candidates. The new course structure will facilitate experiences designed to offer more efficient links between education theory and best practices for teaching, including settings with cultural and linguistic diversity.

3. Make the following curricular changes to the **45-Credit Art Teaching Major:**

A. ~~45~~51-Credit Art Teaching Major

ART 100	World Art and Culture	3
ART 110	Integrated Art and Design Communication	2
ART 111	Drawing I	2
ART 112	Drawing as Integrated Design Thinking	2
ART 121	Integrated Design Process	2
ART 122	Art & Design Process	3
Select 18 credits from the following:		18
ART 211	Life Drawing	
ART 221	Introduction to Graphic Design	
ART 231	Painting I	
ART 241	Sculpture I	
ART 251	Printmaking I	
ART 261	Ceramics I	
ART 271	Interaction Design I	
ART 280	Understanding Photography	
Select two art studio courses from the following:		6
ART 321	Graphic Design: Concepts	
ART 330	Intermediate/Advanced Painting	
ART 340	Intermediate/Advanced Sculpture	
ART 350	Intermediate/Advanced Printmaking	
ART 370	Intermediate/Advanced Interaction + Experiential Design	
ART 390	Mixed Media	

Select ~~two~~three courses in Art History, any period ~~6~~9

The following special methods sequence is also required:

EDCI 436	Secondary Art Methods	3
EDCI 446	Secondary Art Methods Practicum	1

Total Hours ~~48~~51

Available via distance: No

Geographical Area: Moscow

Rationale: 1 - The Department of Curriculum & Instruction proposes to add an additional art history course as recommended by the Art and Design NASAD accreditation visit Spring 2017 to meet the recommended goals of a well-educated teacher in visual art. The addition of an additional art history course will also assist students in gaining knowledge to pass the art content PRAXIS exam.

2. Students also need one more credit to reach a 45 credit major due to the decrease in credits in one required art course.

3. There are no additional resources required as a full array of art history courses are offered in the college of Art and Architecture.

4. Make the following curricular changes to the Major in **Career and Technical Education (B.S.Ed.):**

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

General ~~Professional-Technical and Technology~~Career and Technical Education Requirements

CTE 351	Principles and Philosophy of Career and Technical Education	3
CTE 430	Leadership and Student Organizations	2
CTE 431	Supervising CTE Career and Technical Student Organizations	1-3
CTE 464	Career Guidance and Transitioning to Work	3

Options

Select one of the following options:

Business and Marketing Education

Workforce Training and Development

Engineering and Technology Education

Total Hours 9-11

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 Requirements, the satisfactory completion of the PRAXIS II Content Area Exam, and the following:

ACCT 201	Introduction to Financial Accounting	3
ACCT 202	Introduction to Managerial Accounting	3
BLAW 265	Legal Environment of Business	3
BUS 190	Integrated Business and Value Creation	3
COMM 101	Fundamentals of Public Speaking	2
CTE 413	Retail Merchandising for Marketing Education	3
CTE 415	Microcomputer Applications	3
or CTE 419	Database Applications and Information Management	
CTE 416	Website Design and Development	3
or CTE 460	Desktop Publishing	
CTE 418	Teaching Economics and Personal Finance	3
CTE 484	Internship in Career and Technical Education Teaching	10
CTE 492	Business and Marketing Education Methods	3
CTE 495	Administrative Technology Management and Procedures	3
ECON 201	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
EDCI 201	Contexts of Education	3
EDCI 301	Lrng, Dvlpmnt, & Assessment	3
EDCI 401	Internship Seminar	1
EDCI 410	Technology, Teaching and Learning	2
EDCI 463	Literacy Methods for Content Learning	3
EDSP 300	Educating for Exceptionalities	3
ENGL 313	Business Writing	3
FCS 448	Consumer Economic Issues	3
MATH 143	Pre-calculus Algebra and Analytic Geometry 1	3
or STAT 251	Statistical Methods	
MHR 310	Leading Organizations and People ¹	3
or MHR 311	Introduction to Management	
MKTG 321	Marketing	3
PSYC 101	Introduction to Psychology	3
or PSYC 305	Developmental Psychology	
Select 6 credits of Accounting, Business, Economics or CTE electives		6
Total Hours		87

¹This mathematics elective is in addition to the General Education Mathematics requirements. Students must complete a total of 6 credits.

Courses to total 128 credits for this degree

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. Workforce Training and Development 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 Education Requirements and the following:

CTE 420	Assessment in Contextual Learning Environments	3
CTE 426	Occupational Analysis and Curriculum Development	3
CTE 447	Diverse Populations and Individual Differences (Max 3 credits)	2-3
CTE 472	Teaching and Learning in Organizations	3
Select one approved course in computer literacy		3

~~Professional-technical~~ Career and Technical electives approved by advisor to total 128

CTE 200	Seminar
CTE 203	Workshop
CTE 204	Special Topics
CTE 299	Directed Study
CTE 400	Seminar
CTE 403	Workshop
CTE 404	Special Topics
CTE 418	Teaching Economics and Personal Finance
CTE 499	Directed Study

Additional requirements for Secondary Teaching Certificate include the following: ¹

COMM 101	Fundamentals of Public Speaking	2
EDCI 201	Contexts of Education	3
EDCI 301	Lrng, Dvlpmnt, & Assessment	3
EDCI 302	Teaching Culturally Diverse Learners	4
EDCI 401	Internship Seminar	1
EDCI 463	Literacy Methods for Content Learning	3
EDSP 300	Educating for Exceptionalities	3
EDCI 485	Secondary Internship	10-15
or CTE 484	Internship in Career and Technical Education Teaching	
PSYC 101	Introduction to Psychology	3
or PSYC 305	Developmental Psychology	
Total Hours		46-52

¹Additional requirements for CTE Occupational Education students seeking an Idaho Secondary Teaching Certificate include the satisfactory completion of the PRAXIS II Content Area Test, and COMM 101.

Courses to total 128 credits for this degree

C. Engineering and Technology Education Option

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

ASM 107	Beginning Welding	2
ASM 202	Agricultural Shop Practices	2
COMM 101	Fundamentals of Public Speaking	2
CTE 130	Introduction to Electricity and Electronics	3
CTE 267	Computer Aided Drafting/Design	3
CTE 310	Lab Safety, Mgnt, & Liability	3
CTE 353	Manufacturing Systems	3
CTE 354	Construction Technology	3
CTE 370	Transportation & Engineering Technologies	3
CTE 410	Technology & Society	3
CTE 415	Microcomputer Applications	3
CTE 416	Website Design and Development	3
CTE 417	Teaching & Learning through STEM Integration	3
CTE 426	Occupational Analysis and Curriculum Development	3
CTE 462	Communication Technology	3
CTE 481	Computer-Integrated and Robotics Manufacturing Technologies	3
CTE 484	Internship in Career and Technical Education Teaching	10
CTE 494	Senior Project	3
EDCI 201	Contexts of Education	3
EDCI 301	Lrng, Dvlpmnt, & Assessment	3
EDCI 302	Teaching Culturally Diverse Learners	4
EDCI 463	Literacy Methods for Content Learning	3
EDSP 300	Educating for Exceptionalities	3
ENGL 317	Technical Writing	3
MATH 143	Pre-calculus Algebra and Analytic Geometry	3
PHYS 111	General Physics I	3
PHYS 111L	General Physics I Lab	1
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1
PSYC 101	Introduction to Psychology	3
or PSYC 305	Developmental Psychology	
Total Hours		91

Courses to total 129 credits for this degree**D. Family and Consumer Sciences Option**

CTE 420	Assessment in Contextual Learning Environments	3
CTE 426	Occupational Analysis and Curriculum Development	3
<u>CTE 447</u>	<u>Diverse Populations and Individual Differences</u>	<u>3</u>
<u>or EDCI 302</u>	<u>Teaching Culturally Diverse Learners</u>	

CTE 484	Internship in Career and Technical Education Teaching	10-14
or AGED 498	Internship	
EDCI 201	Contexts of Education	2
EDCI 301	Learning Development and Assessment	3
EDCI 401	Internship Seminar	1
EDCI 410	Technology, Teaching, and Learning	2
EDCI 463	Literacy Methods for Content Learning	3
EDSP 300	Educating for Exceptionalities	3
FCS 105	Individual and Family Development	3
FCS 123	Textiles	3
or FCS 419	Dress and Culture	
FCS 205	Concepts in Human Nutrition	3
FCS 234	Infancy and Early Childhood	3
FCS 236	Directed Early Childhood Laboratory Experience	3
FCS 251	Survey of FCS Professions	1
FCS 270	Scientific Principles of Food Preparation	3
FCS 275	Experimental Foods	2
FCS 340	Parent-Child Relationships in Family and Community	3
or FCS 445	Issues in Work and Family Life	
Select one of the following:		3-4
FCS 346	Personal and Family Finance and Management	3-4
FCS 428	Housing America's Families	
or FCS 448	Consumer Economic Issues	
FCS 428	Housing America's Families	3
Select one of the following:		3-4
AGED 452	Methods of Teaching Agriculture	
CTE 472	Teaching and Learning in Organizations	
FCS 461	Methods & Strategies in FCS Education	
Total Hours		46-52 63-69

Courses to total 120 credits for this degree

Available via distance: 100% of curricular requirements can be completed via distance

Geographical Area: Moscow, CDA, Boise, Idaho Falls

Rationale: The changes are editorial corrections to the Current BS Ed in CTE for Workforce Training and Development and FCS Options.

5. Make the following curricular changes to the **24-25 Credit Health Education Teaching Minor:**

~~24-25~~[28](#) Credit Health Education Teaching Minor

A current advanced first aid, [CPR](#), and emergency care card is required upon graduation.

FCS 205	Concepts in Human Nutrition	3
FCS 240	Intimate Relationships	3

or PSYC 330	Human Sexuality	
H&S 150	Wellness Lifestyles	3
or MVSC 201	Physical Activity, Wellness & Behavior Change	
H&S 288	First Aid: Emergency Response	2
H&S 423/523	School Health Education Methods and Administration	3
H&S 450	Critical Health Issues	3
<u>H&S 451</u>	<u>Psychosocial Determinants of Health</u>	<u>3</u>
<u>H&S 490</u>	<u>Health Promotion</u>	<u>3</u>
<u>MVSC 486/586</u>	<u>Healthy Active Lifestyle Intervention and Assessment</u>	<u>3</u>
<u>PSYC 330</u>	<u>Human Sexuality</u>	<u>3</u>

Select one of the following groups: ~~3-4~~

Group A: _____

~~H&S 289~~ ~~Drugs in Society~~

~~H&S 350~~ ~~Stress Management and Mental Health~~

Group B: _____

~~H&S 451~~ ~~Psychosocial Determinants of Health~~

Select one of the following sequences: 4

BIOL 102 Biology and Society
& 102L and Biology and Society Lab

BIOL 115 Cells & the Evolution of Life
& 115L and Cells and the Evolution of Life Laboratory

BIOL 120 Human Anatomy

BIOL 154 Introductory Microbiology
& BIOL 155 and Introductory Microbiology Laboratory

Total Hours 24-2528

Available via distance: Less than 50% of curricular requirements can be completed via distance

Geographical Area: Moscow

Rationale: 1. First Aid and CPR are required for the Health teaching minor thus CPR was added.

2. H&S 288 is no longer offered

3. Name change for H&S 423 and 523 reflects the content more appropriately and broadens applicability to other majors

4. Intimate relationships content is covered in H&S 423 and 523, H&S 450 and H&S 490.

5. H&S 289 and 350 are no longer offered. Content is covered in H&S 423 and 523, H&S 451 and H&S 490.

6. H&S 451 was added to cover more health content related to psychology and sociology as identified in the health teaching standards.
7. H&S 490 was added to provide more in-depth information regarding programming as identified in the health teaching standards.
8. MvSc 486 or 586 was added to provide more opportunities for authentic experiences teaching and programming for health in schools and communities. Students taking the Health teaching minor average about 10-12 students a year. Courses that are being added are currently offered to ESH majors and would not be greatly impacted by the addition of these students. Students in ESH are in fact required to take most of these courses already and those in the Physical Education Teaching track would be likely to also add the health teaching minor.

6. Make the following curricular changes to the **Math Teaching Majors and Minor:**

MATH 143 and MATH 144 may be necessary prerequisites for students with weak backgrounds.

A. ~~47-51-52~~ Credit Mathematics Teaching Major

CS 112	Computational Thinking and Problem Solving	3
MATH 170	Analytic Geometry and Calculus I	4
MATH 175	Analytic Geometry and Calculus II	4
MATH 176	Discrete Mathematics	3
MATH 215	Proof via Number Theory	3
MATH 275	Analytic Geometry and Calculus III	3
MATH 330	Linear Algebra	3
MATH 386	Theory of Numbers	3
<u>MATH 388</u>	<u>History of Math</u>	<u>3</u>
<u>MTHE 409</u>	<u>Algebraic and Functional Reasoning</u>	<u>3</u>
<u>MTHE 427</u>	<u>Transformational Geometry</u>	<u>3</u>
MATH 461	Abstract Algebra I	3
MATH 471	Introduction to Analysis I	3
MATH 390	Axiomatic Geometry	3
	or MATH 391 Modern Geometry	

~~Select one Math course numbered 400-490~~ ~~3~~

~~Select two Math courses numbered 310-490[±]~~ ~~6~~

Select one of the following: 3-4

- STAT 251 Statistical Methods
 - STAT 301 Probability and Statistics
 - MATH 451 Probability Theory
- /STAT

One of the following 3

- MATH 430 Advanced Linear Algebra
- MATH 452 Mathematical Statistics

MATH 453	Stochastic Models	
MATH 462	Abstract Algebra II	
MATH 472	Introduction to Analysis II	
MATH 476	Combinatorics	

In addition, the following special methods sequence is also required:

EDCI 434	Secondary Mathematics Methods	3
EDCI 454	Secondary Mathematics Methods Practicum	1
Total Hours		51-52

~~⁴Approved upper division mathematics electives to total 47 credits in the teaching major.~~

B. ~~32~~36-37-Credit Mathematics Teaching Major

CS 112	Computational Thinking and Problem Solving	3
MATH 170	Analytic Geometry and Calculus I	4
MATH 175	Analytic Geometry and Calculus II	4
MATH 176	Discrete Mathematics	3
MATH 215	Proof via Number Theory	3
MATH 330	Linear Algebra	3
MATH 386	Theory of Numbers	3
MTHE 409	Algebraic and Functional Reasoning	3
MTHE 427	Transformational Geometry	3
MATH 390	Axiomatic Geometry	3
or MATH 391	Modern Geometry	
MATH 461	Abstract Algebra I	3
or MATH 471	Introduction to Analysis I	

Select one of the following: 3-4

STAT 251	Statistical Methods	
STAT 301	Probability and Statistics	
MATH 451	Probability Theory	
/STAT		

In addition, the following special methods sequence is also required:

EDCI 434	Secondary Mathematics Methods	3
EDCI 454	Secondary Mathematics Methods Practicum	1
Total Hours		36-37

C. ~~23~~33-Credit Mathematics Teaching Minor

EDCI 413	Data Analysis and Probability	3
EDCI 416	Proportional and Algebraic Reasoning	3
MATH 170	Analytic Geometry and Calculus I	4
MATH 175	Analytic Geometry and Calculus II	4

MATH 176	Discrete Mathematics	3
MATH 330	Linear Algebra	3
MATH 386	Theory of Numbers	3
MATH 390	Axiomatic Geometry	3
or MATH 391	Modern Geometry	
<u>MTHE 409</u>	<u>Algebraic and Functional Reasoning</u>	<u>3</u>
<u>MTHE 410</u>	<u>Proof and Viable Argumentation</u>	<u>3</u>

~~Select one of the following:~~ ~~3-4~~

~~STAT 251~~ ~~Statistical Methods~~

~~STAT 301~~ ~~Probability and Statistics~~

~~MATH 451~~ ~~Probability Theory~~

In addition, the following special methods sequence is also required:

EDCI 434	Secondary Mathematics Methods	3
EDCI 454	Secondary Mathematics Methods Practicum	1

Total Hours ~~27-28~~33

Available via distance: Less than 50% of curricular requirements can be completed via distance

Geographical Area: Moscow

Rationale: 47-Credit Mathematics Teaching Major

*Number Theory Math 386 has been deleted because Math 215 has been changed to “Proof via Number Theory.” This content meets the state requirement of needing number theory content and it meets the teachers’ content needs.

*History of Math (388) is added as a required course to meet the state requirement for math teacher training.

*MTHE 409 has been added to reflect a large body of literature that demonstrates that our current teaching force has an inadequate understanding of these topics in the way they are presented in 6-12 grades.

*MTHE 427 has been added to meet the content knowledge requirements of Idaho Core Standards, which place heavy emphasis on transformational geometry.

*Approved upper-division electives listed.

32-Credit Mathematics Teaching Major

*The CS112 course was eliminated as a requirement to make room for more essential, math-specific courses.

*MTHE 409 has been added to reflect a large body of literature that demonstrates that our current teaching force has an inadequate understanding of these topics in the way they are presented in 6-12 grades.

*MTHE 427 has been added to meet the content knowledge requirements of Idaho Core Standards, which place heavy emphasis on transformational geometry.

*STAT 451 added as an already-cross-listed course.

25-Credit Mathematics Teaching Minor

*EDCI 413 and 416 are more aligned with the content knowledge teachers need in 6-12 education than those that were eliminated.

*MTHE 409 has been added to reflect a large body of literature that demonstrates that our current teaching force has an inadequate understanding of these topics in the way they are presented in 6-12 grades.

*MTHE 410 attends to sufficient number theory topics for this endorsement.

MOVEMENT SCIENCES

1. Change the following course:

H&S 423 ~~School~~ Health Education Methods ~~and Administration~~

3 credits

Joint-listed with H&S 523

Curriculum design, ~~organization and administration~~, planning and instruction, methods and strategies, and resource materials for teaching health in school health and community settings. ~~Team leadership project and activity~~ Additional work required for graduate credit. ~~(Fall only)~~

Prereq: H&S 150 or MVSC 201, EDCI 201, and acceptance into teacher preparation.

Available via distance: No

Geographical Area: Moscow

Rationale: The title change reflects the content more accurately.

The prerequisite changes requires that students have a foundational background related to Teacher Education.

The course description changes reflects the content, assignments and assessments more accurately.

2. Create the following prefix (UCC-19-001a):

RSTM (Recreation, Sport, and Tourism Management)