

**Undergraduate Curriculum Committee  
Meeting Minutes  
February 22, 2018  
UCC 221**

**Members Present:** Cynthia Chovich, Lisa Driskell, Keith Fritz, Geoffrey Gurka, Jennifer Hancock, Sarah Lanci, Sam Lohse, David Miller (standing in for Glen Hoff), Sandie Nadelson (standing in for Lucy Graham), Denise McKenney, Brian Parry (standing in for Eliot Jennings), and Jill Van Brussel.

**Members Absent:** Eric Elliot, Sean Flanigan, Lucy Graham, Glen Hoff, and Eliot Jennings.

**Ex-officio members present:** Maggie Bodyfelt, Josh Butler, Kurt Haas, Rose Petralia, and Johanna Varner.

**Guests:** Lisa Friel, Scott Kessler, Barry Laga, Carrie McVean Waring, Troy Miller, and Russ Walker.

**Recording Secretary:** Emily Dodson

Chair Driskell called the meeting to order at 3:32.

**I. Announcements**

**A. Committee Composition Changes and Vice-Chair Election**

Chair Driskell announced that Dr. Kessler has accepted the role of Acting Department Head of Engineering. As such, he is no longer able to serve as the Chair of UCC. Dr. Driskell has agreed to change from her role as Vice-Chair to Chair for UCC for the remainder of the year.

Chair Driskell welcomed Sarah Lanci as the new representative for Engineering. Chair Driskell called for nominations for vice-chair. Chair Driskell nominated Hancock. There were no other nominations. **Chair Driskell motioned to elect Hancock for the seat and Fritz seconded the motion. Hancock was unanimously elected vice-chair.**

**II. Ex-Officio Reports**

**A. Assistant Vice President of Academic Affairs**

No updates.

**B. Registrar's Office**

No updates.

**C. Financial Aid**

No updates.

D. Library

No updates.

E. Director of Assessment and Accreditation Support

No updates.

F. Catalog Description Reviewer

No updates.

G. Essential Learning

No updates.

**III. Unfinished Business**

A. BS, Health and Fitness Promotion – modification to proposed program for approval of both the modification and the new program

A modification was submitted for the previously approved BS in Health and Fitness Promotion. The only change made to the program was the replacement of “CSCI 100” with “CSCI 110 or a higher CSCI course” as an option to fulfill the BS requirement of three additional hours of mathematics, statistics, or computer science beyond the Essential Learning requirements. **Gurka motioned to approve the modification and the program addition as presented in the revised program sheet. Lohse seconded the motion. The proposal was unanimously approved.** Approval of this modification serves as both the approval of the modification and the addition of the program as presented in the revised program sheet. The addition and modification proposals as well as the final program sheet listing the program requirements are located on page 3.

**IV. Curriculum Proposals**

**Summary of committee actions on curriculum proposals begins on page 26.**

**Further details of proposals begin on page 33.**

**V. New Business**

**VI. Information Items**

**Adjournment:**

With no objections from the committee, Chair Driskell adjourned the meeting at 4:13.

Respectfully submitted by Emily Dodson, February 23, 2018.



## 2017-2018 PROGRAM ADDITION FORM

**INSTRUCTIONS:** Prepare this form on a campus computer with Microsoft Office 2013 or 2016, and use the tab key to advance from one form field to the next. Do "enable content" when opening the form. Converting this form to use with a different processing program will corrupt the programming. Corrupt forms will not be accepted.

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a. Identifying information

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Department: **Kinesiology**

Program: Degree/award type: **BS**

Name of major/minor/certificate: **Fitness and Health Promotion**  
(60 characters max; Do not include degree/award type in program name)

Abbreviated program name (30 characters max): **Fitness and Health Promotion**

PROPOSED AND PREPARED BY:

Name: **Kristin Heumann**

Email: **kheumann@coloradomesa.edu**

Date: **10/28/2017**

Phone: **970.248.1763**

**Additional required information for each proposal for a program addition:** (see Section IV.F of Curriculum Manual)

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1. Complete items **b** through **m** on the following pages.
2. Complete the three CDHE tables at the end of this document. These tables **MUST** be included for all new program proposals. If any of the fields do not apply, please enter NA or other explanation.
3. Discuss the proposal with all departments affected by the program, including all departments that offer required/suggested coursework in support of the program. Enter NA or dates/outcomes of such discussions  
Dr. Jeremy Hawkins, Head of the Department of Kinesiology, communicated with Dr. Steven Norman, Head of the Department of Business, about adding the ENTR 300 Small Business and Entrepreneurship and 340 Applied Financial Management for Emerging Businesses as restricted electives. Dr. Norman's response on October 16, 2017 was, "I am always open to partnerships across campus. I am sure we can handle this." Dr. Hawkins also spoke with Dr. Lori Payne, Head of the Department of Computer Science, Mathematics, and Statistics, and she indicated in October 2017 that the additional coursework in MATH 113 College Algebra and another course in CSCI or STAT would not be a concern.
4. Submit complete program sheet. The most up-to-date program sheet templates are available as Word documents at R:\Curriculum\Program Sheets for Curriculum Program Modifications.
5. Submit this completed form to the Library's Curriculum Committee representative and the Director of Financial Aid a week prior to the published proposal submission deadline.
6. Obtain departmental approval according to department-specific procedures.

Implementation Deadlines

Program additions and modifications approved at the September-February curriculum meetings are generally implemented the following academic year. See Section II.D of the Curriculum Manual. Exceptions are rare and granted only in extenuating circumstances. To request a different effective date, the academic department head should contact the curriculum committee chair. (Note: in the approval process only the VPAA will ultimately approve or deny the request.)

REVIEWED BY DEPARTMENT'S CURRICULUM COMMITTEE REPRESENTATIVE:

Name: **Keith Fritz**

Date: **11/14/2017**

APPROVED BY DEPARTMENT HEAD:

Name: **Jeremy Hawkins**

Date: **11/14/17**

APPROVED BY DIRECTOR OF TEACHER EDUCATION (REQUIRED FOR TEACHING PROGRAMS)

Name: N/A

Date:

**Submit to the chair of the appropriate curriculum committee.**

b. Demonstration of compliance with CMU requirements related to student learning outcomes (SLOs):

- 1) Identify program student learning outcomes (SLOs)
  - 2) Identify linkage of program SLOs to institutional SLOs
  - 3) Illustrate relationship of SLOs to proposed curriculum using curriculum map format
  - 4) Identify planned assessments for the program SLO.
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The proposed Bachelor of Science (BS) in Fitness and Health Promotion is replacing the Bachelor of Arts (BA) in Kinesiology with a concentration in Fitness and Health Promotion. The same student-learning outcomes shall be met, but with a different requirement in mathematics (i.e., MATH 113 College Algebra), further kinesiology activity courses, and additional options for restricted electives. Specifically, the taking and passing of MATH 113 College Algebra is going to prepare the students more adequately for upper-division coursework within the major as well as for post-baccalaureate study. Additional Kinesiology activity courses are going to be required to enhance the fitness, fundamental knowledge, and motor skills of the students as well as to meet recommendations by a national-governing body in the discipline, The National Strength and Conditioning Association (NSCA). Two courses from the Department of Business, ENTR 300 Small Business and Entrepreneurship and ENTR 340 Applied Financial Management for Emerging Businesses, are going to be added to the list of eligible courses for restricted electives. The Heads of those respective departments have indicated that adding those courses to the program, as requirements or options, respectively, would be acceptable.

The student-learning outcomes for the degree are as follows. All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Evaluate the functions of the individual body systems. (Specialized Knowledge)
2. Identify risk factors associated with chronic disease. (Specialized Knowledge)
3. Identify exercise cautions and other safety concerns. (Critical Thinking)
4. Identify the scope and definitions of health, fitness, and human performance, with the ability to analyze the data critically. (Applied Learning, Quantitative Fluency)
5. Describe and communicate how physical activity relates to health. (Communication Fluency)

c. Program goals as they pertain to Colorado Mesa University's goals and objectives and Colorado Mesa University's Role and Mission.

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The goals and objectives are the same as the ones for the current BA in Kinesiology with a concentration in Fitness and Health Promotion that are stated above.

d. Program strengths, special features, innovations, and/or unique elements.

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As of 2017, the current BA in Kinesiology with a concentration in Fitness and Health Promotion has 201 students majoring in it. The number of degrees awarded over the last five years for this concentration was 11, 23, 45, 51, and 72, respectively. The program has seen tremendous growth, and modifying the program to a BS in Fitness and Health Promotion will strengthen the program, especially for helping our students complete the upper-division requirements as well as to be better prepared for post-baccalaureate study. Numerous students taking this degree have gone on for post-baccalaureate study for programs in health promotion, occupational therapy, strength and conditioning, and other areas. Many go directly into the workforce in worksite wellness, health promotion, public health, personal training, and allied health such as occupational or physical therapy aides and the like.

e. External agencies, such as program accreditations, professional associations, as well as licensing requirements that have helped shape the program's curriculum (i.e., effects such as length of the program, on program content or mode of delivery, etc.). Do faculty members anticipate seeking program accreditation at appropriate date?

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The Department of Kinesiology is recognized by the National Strength and Conditioning Association (NSCA) as an Education Recognition Program for Strength and Conditioning and Personal Trainer Recognition. We plan to continue to

remain associated with the NSCA, and as such, we must include the courses that are offered currently. However, the NSCA is now recommending that more “hands-on” experience should be emphasized within a curriculum, thus further supporting our need for requiring more activity courses.

f. Program admissions requirements (if any beyond admission to institution).

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None.

g. Rationale and justification for the program demonstrating the demand, as evidenced by:

(1) Employer need/demand as demonstrated by evidence such as:

(a) identification of several potential employers of program graduates;

(b) projected regional and/or statewide need for graduates from current labor market analyses and/or future workforce projections/studies (potential source: [www.occsupplydemand.org/](http://www.occsupplydemand.org/))

(c) surveys made by external agencies;

(d) letters of direct employer support may be used. Include letters indicating the availability of positions for graduates of the proposed programs, signed by individual in a senior position of authority. Page 27 of 41

(2) Student demand as demonstrated by evidence such as surveys of potential students to answer the question: “what is the student population served by program implementation?”

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The BA in Kinesiology with a concentration in Fitness and Health Promotion currently has 201 majors and produced 72 graduates in 2017. Thus, the current program is vibrant and thriving.

h. Relationship of the proposed program to existing programs on campus and to similar programs within the state, with a rationale reflecting that proposed program demand cannot be met by another program (i.e., program implementation is not an unnecessary duplication)

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The proposed BS in Fitness and Health Promotion would be replacing the current BA in Kinesiology with a concentration in Fitness and Health Promotion. No duplication of programs would exist.

i. Curriculum, including identification of new courses and the numbers, names, and sequencing of all courses, as well as demonstration of compliance with CMU's Credit Hour Policy as required by the U.S. Department of Education and articulated by the Higher Learning Commission;

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The proposed BS in Fitness and Health Promotion includes the same curriculum as the current BA in Kinesiology with a concentration in Fitness and Health Promotion, with the exception of increasing the mathematics competency to MATH 113 College Algebra, adding an additional course in a CSCI or a STAT course, adding additional KINA courses, and making minor modification with respect to course sequencing and restricted electives. The program meets the credit-hour policy of CMU as required by the U.S. Department of Education and articulated by the Higher Learning Commission.

j. List of faculty and their qualifications. (Is there a need for additional faculty?)

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The current BA in Kinesiology with a concentration in Fitness and Health Promotion is delivered by the departmental faculty. They are listed as follows:

The following faculty members deliver courses within the program\*:

Full-time faculty

Dr. Jill Cordova, Professor of Kinesiology

Dr. Keith Fritz, Professor of Kinesiology

Dr. Carmine Grieco, Assistant Professor of Kinesiology

Dr. Jeremy Hawkins, Associate Professor of Kinesiology

Dr. Kristin J. Heumann, Associate Professor of Kinesiology  
Dr. Steven R. Murray, Professor of Kinesiology  
Dr. Elizabeth Sharp, Associate Professor of Kinesiology

Part-time faculty  
Kristy Emerson, BA, MPH  
Augusta Nishi, BS, MBA

\*With the program being a conversion instead of a truly “new” program, at this time no new faculty members are needed to deliver the BS in Fitness and Health Promotion.

k. Description of learning resources needed for implementation. Scope and quality of library holdings, laboratories, clinical facilities, and technological support as applicable. Department’s recommendations for additions to the Library’s collection.

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The current resources in place already support the existing BA degree in the area, so new resources, outside of additional sections of MATH 113 and possibly sections of ENTR 300 and 340, would not be necessary to support the BS in Fitness and Health Promotion. Dr. Jeremy Hawkins, Head of the Department of Kinesiology, communicated with the respective Heads of Departments regarding any issues in this regard. Reassurances from those individuals were given (see previous information within this document).

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l. Intended delivery mode for program. For programs delivering any of its coursework via 1) alternative formats, 2) outsourcing, and/or 3) a consortial relationship, the program proposal must demonstrate compliance with requirements as specified by the U.S. Department of Education and articulated in the Higher Learning Commission's policies. To demonstrate this compliance, the proposing department must submit a statement from the VPAA’s office.

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The courses for the proposed BS in Fitness and Health Promotion would be delivered via the same modes as the existing BA in Kinesiology with a concentration in Fitness and Health Promotion. A combination of traditional, blended, and online courses would be available to the students studying within the area.

m. For Professional, Technical or Other Programs, the justification must include:

- (1) Rationale for program to be in the PTO category.
  - (2) Statement as to how the curriculum aligns to the requirements or recommendations of the nationally recognized accrediting, licensing, certifying or professional organization.
  - (3) Rationale for the program to exceed 60 credit hours, if applicable.
  - (4) Rationale for prescribing Applied Studies courses, if applicable.
  - (5) Explanation as to how a transfer student with an AA degree in the discipline of that program can graduate by completing only an additional 60 hours.
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NA

TABLE 1: ENROLLMENT PROJECTIONS

Name of Program: BS in Fitness and Health Promotion

Degree Title Fitness and Health Promotion

Name of Institution: Colorado Mesa University

DEFINITIONS:

Academic year is the period beginning July 1 and concluding June 30.

Headcount projections represent an unduplicated count of those students officially admitted to the program and enrolled at the institution during the academic year.

FTE is defined as the full-time equivalent number of those students majoring in the program, regardless of the classes enrolled, during the academic year.

Program graduate is defined as a student who finishes all academic program requirements and graduates with a formal award within a particular academic year.

SPECIAL NOTES:

To calculate the annual headcount enrollment, add new enrollees to the previous year headcount and subtract the number who graduated in the preceding year. Adjust by the anticipated attrition rate.

To calculate FTE, multiply the number of students times the projected number of credit hours degree seeking students will be typically enrolled in per year and divide by 30.

The data in each column is the annual **unduplicated** number of declared program majors. Since this table documents program demand, course enrollments are not relevant and shall not be included in the headcount or FTE data.

		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Full Implementation
1-a	In-state Headcount						
1-b	Out-of-State Headcount						
2	Program Headcount						
3-a	In-state FTE						
3-b	Out-of-State FTE						
4	Program FTE						
5	Program Graduates						

\_\_\_\_\_  
Signature of Governing Board Officer

\_\_\_\_\_  
Date



TABLE 2: PHYSICAL CAPACITY ESTIMATES

Name of Program: \_\_\_\_\_

Name of Institution: \_\_\_\_\_

Purpose: This table documents the physical capacity of the institution to offer the program and/or the plan for achieving the capacity. Complete A or B.

Part A

I certify that this proposed degree program can be fully implemented and accommodate the enrollment projections provided in this proposal without requiring additional space or renovating existing space during the first five years.

\_\_\_\_\_  
Governing Board Capital Construction Officer

\_\_\_\_\_  
Date

Part B

	Column 1	Column 2	Column 3		Column 4		Column 5	Column 6
ASSIGNABLE SQUARE FEET	TOTAL NEEDED	AVAILABLE	RENOVATION		NEW CONSTRUCTION		LEASE/ RENT	REVENUE SOURCE*
TYPE OF SPACE			Immed	Future	Immed	Future		
Classroom								
Instructional Lab								
Offices								
Study								
Special/ General Use								
Other								
TOTAL								

\* Capital Construction Fund (CCF), Research Building Revolving Fund (RBRF), Gift (GIFT), Grant (GR), Auxiliary Fund (AUX)

Attach a narrative describing the institutional contingency plan that addresses the space requirements of the proposed program or alternative delivery options, in the event that the request for capital construction or renovation is not approved.

\_\_\_\_\_  
Governing Board Capital Construction Officer

\_\_\_\_\_  
Date

Approved Policy

I-B-10

June 5, 2003

**TABLE 3 – PROJECTED EXPENSE AND REVENUE ESTIMATES**

All cost and revenue projections should be in constant dollars (do not include an inflation factor).

		ESTIMATED AMOUNT IN DOLLARS (PV)				
		Year 1	Year 2	Year 3	Year 4	Year 5
Operating Expenses:						
1	Faculty					
2	Financial Aid specific to program					
3	Instructional Materials					
4	Program Administration					
5	Rent/Lease					
6	Other Operating Costs					
7	Total Operating Expenses					
Program Start-Up Expenses						
8	Capital Construction					
9	Equipment Acquisitions					
10	Library Acquisitions					
11	Total Program Start-Up Exp.					
TOTAL PROGRAM EXPENSES						
Enrollment Revenue						
12	General Fund: State Support					
13	Cash Revenue: Tuition					
14	Cash Revenue: Fees					
Other Revenue						
15	Federal Grants					
16	Corporate Grants/Donations					
17	Other fund sources *					
18	Institutional Reallocation **					
TOTAL PROGRAM REVENUE						

\*\* If revenues are projected in this line, please attach an explanation of the specific source of the funds. If reallocated, the specific departments and the impact the dollars will have on the departments that will provide the reallocated dollars.

\_\_\_\_\_  
Signature of Governing Board Financial Officer

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Approved Policy

I-B-12

June 5, 2003

**Colorado Mesa University**  
**New Programs: Projected Enrollment, Revenue and Expense Estimates**  
**Undergraduate**

**Step 1. Enrollment Assumptions**

		Year 1	Year 2	Year 3	Year 4	Year 5
Fiscal /Academic Year		2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
In-state Headcount	New	50	55	60	65	70
	Existing	110	115	120	125	130
Out-of-State Headcount	New	20	25	30	35	40
	Existing	70	75	80	85	90
Program Headcount		250	270	290	310	330
In-state FTE		160.00	330.00	240.00	700.00	900.00
Out-of-State FTE		90.00	190.00	300.00	195.00	240.00
Program FTE		250.00	520.00	540.00	895.00	1,140.00
Program Graduates		75	85	95	105	115

**Step 1a. Anticipated Credit Hours taken based on recommended course sequencing:**

Per Student	30	30	30	30	30
In-State Total	4,800	9,900	7,200	21,000	27,000
Out-of-State Total	2,700	5,700	9,000	5,850	7,200
Total	7,500	15,600	16,200	26,850	34,200

**Revenue Rates - Per Credit Hour**

<u>Undergraduate Tuition</u>						
In-State \$	278.10	\$	292.01	\$	306.61	\$ 321.94 \$ 338.03
Out-of-State (average) \$	462.70	\$	490.46	\$	519.89	\$ 551.09 \$ 584.15

**Step 2. Program Revenue Projections**

Tuition - New	\$	694,771	\$	1,581,942	\$	2,687,452	\$	4,039,936	\$	5,670,967
Tuition- -Exisitng	\$	1,889,404	\$	4,104,552	\$	4,199,131	\$	5,944,558	\$	7,661,787
Total Tuition	\$	2,584,175	\$	5,686,493	\$	6,886,583	\$	9,984,494	\$	13,332,754
Academic Fees - Exisitng	\$	-	\$	-	\$	-	\$	-	\$	-
Academic Fees - New	\$	-	\$	-	\$	-	\$	-	\$	-
State and Federal Grants - New		0		0		0		0		0
Donations - New		0		0		0		0		0
Other - New		0		0		0		0		0
<b>TOTAL PROGRAM REVENUES</b>	<b>\$</b>	<b>2,584,175</b>	<b>\$</b>	<b>5,686,493</b>	<b>\$</b>	<b>6,886,583</b>	<b>\$</b>	<b>9,984,494</b>	<b>\$</b>	<b>13,332,754</b>

**Colorado Mesa University**  
**New Programs: Projected Enrollment, Revenue and Expense Estimates**  
**Undergraduate**

**Step 3. Program Expenses**

	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Operating Expenses:</u>					
Faculty Full-time	\$ 150,000	\$ 157,500	\$ 165,375	\$ 173,645	\$ 182,325
FTE	2.00	2.00	2.00	2.00	2.00
Benefits	52,500	55,125	57,881	60,776	63,814
Faculty Part-time	10,000	10,000	10,000	10,000	10,000
FTE	1.00	1.00	1.00	1.00	1.00
Benefits	2,200	2,200	2,200	2,200	2,200
Administrative and/or Support Staff	10,000	10,500	11,025	11,575	12,155
FTE	0.30	0.30	0.30	0.30	0.30
Benefits	3,500	3,675	3,859	4,051	4,254
Financial Aid (program specific)	0	0	0	0	0
Supplies	1,000	1,000	1,000	1,000	1,000
Equipment	-	-	-	-	-
Travel	1,200	1,200	1,200	1,200	1,200
Telecommunications	850	850	850	850	850
Other (copier, postage)	500	500	500	500	500
Total Operating Expenses	\$ 231,750	\$ 242,550	\$ 253,890	\$ 265,797	\$ 278,298
<u>Program Start-Up Expenses:</u>					
Capital Construction	-	-	-	-	-
Equipment	-	-	-	-	-
Library Acquisitions	-	-	-	-	-
Other	-	-	-	-	-
Total Start-Up Expenses	0	0	0	0	0
<b>TOTAL PROGRAM EXPENSES</b>	<b>\$ 231,750</b>	<b>\$ 242,550</b>	<b>\$ 253,890</b>	<b>\$ 265,797</b>	<b>\$ 278,298</b>
<u>Institutional Reallocation</u>					
Existing Funds in Dept's Budget					
Net New Expense Increase	\$ 231,750	\$ 242,550	\$ 253,890	\$ 265,797	\$ 278,298

<b>Program Revenue and Expense Summary*</b>					
	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Program Revenue and Expense</b>					
Total Revenues	\$ 2,584,175	\$ 5,686,493	\$ 6,886,583	\$ 9,984,494	\$ 13,332,754
Total Expenses	\$ 231,750	\$ 242,550	\$ 253,890	\$ 265,797	\$ 278,298
Revenue less Expenses	\$ 2,352,425	\$ 5,443,943	\$ 6,632,693	\$ 9,718,697	\$ 13,054,456
<b>New Revenue and Expense Impact</b>					
Tuition	\$ 694,771	\$ 1,581,942	\$ 2,687,452	\$ 4,039,936	\$ 5,670,967
State and Federal Grants	0	0	0	0	0
Donations	0	0	0	0	0
Other	0	0	0	0	0
Total Revenues	\$ 694,771	\$ 1,581,942	\$ 2,687,452	\$ 4,039,936	\$ 5,670,967
New Expenses	\$ 231,750	\$ 242,550	\$ 253,890	\$ 265,797	\$ 278,298

\*Excludes other indirect program support services.



## **2018-2019 PROGRAM REQUIREMENTS**

### **Degree: Bachelor of Science**

### **Major: Fitness and Health Promotion**

#### **About This Major . . .**

Students enrolled in this major should have a strong interest in the sciences as this program applies science to human function. The student will explore exercise physiology, anatomical kinesiology, community health, physical activity and aging, worksite health promotion, and sports nutrition, among other subject areas. Career opportunities include: sports and wellness program instructors and directors; strength coaches for college, university and professional sports\* programs; managers and exercise leaders in corporate wellness programs; nutritionists\*; occupational therapists\*; and personal trainers.

\*Career requires additional post-baccalaureate studies.

Colorado Mesa students frequently continue their study for graduate or professional degrees at universities widely recognized as top programs in exercise physiology, occupational therapy, physical education, and public health.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Evaluate the functions of the individual body systems. (Specialized Knowledge)
2. Identify risk factors associated with chronic disease. (Specialized Knowledge)
3. Identify exercise cautions and other safety concerns. (Critical Thinking)
4. Identify the scope and definitions of health, fitness, and human performance, with the ability to analyze the data critically. (Applied Learning, Quantitative Fluency)
5. Describe and communicate how physical activity relates to health. (Communication Fluency)

#### **Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

#### **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 2.0 cumulative GPA or higher in coursework toward the major content area.

### **ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 113 – College Algebra (4) or higher  
3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit.

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (3 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ KINA 1XX – (1)
- ☐ KINA 1XX – (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

### **FOUNDATION COURSES** (10-13 semester hours)

- ☐ CSCI 100 – Computers In Our Society (3) OR STAT 200 - Probability and Statistics (3) or higher level CSCI or STAT course
- ☐ KINE 203 - Human Nutrition (3)
- ☐ BIOL 209 - Human Anatomy and Physiology (3)
- ☐ BIOL 209L - Human Anatomy and Physiology Laboratory (1)
- ☐ Students must have a current CPR card OR take one of the following:  
KINE 250 - Lifeguard Training (3)  
KINE 265 - First Aid and CPR/AED for the Health Care Provider (3)

**BS, FITNESS AND HEALTH PROMOTION REQUIREMENTS** (48-49 semester hours, 2.0 cumulative GPA or higher required in major content area.)

**Required Core Courses** (39-semester hours)

- ☐ KINA 128 – Intermediate Weight Training (1)
- ☐ KINA 1XX - (1)
- ☐ KINE 200 - History and Philosophy of Sport and Physical Education (3)
- ☐ KINE 213 - Applications of Physical Fitness and Exercise Prescription (3)
- ☐ KINE 297 - Practicum (2)
- ☐ KINE 301 - Health and Fitness Assessment (3)
- ☐ KINE 303 - Physiology of Exercise (3)
- ☐ KINE 303L - Physiology of Exercise Laboratory (1)
- ☐ KINE 309 - Anatomical Kinesiology (3)
- ☐ KINE 310 - Methods of Exercise Instruction (3)
- ☐ KINE 333 - Community Health (3) or KINE 411 - Worksite Health Promotion (3)
- ☐ KINE 405 - Sports Nutrition (3)
- ☐ KINE 415 - Physical Activity and Aging (3)
- ☐ KINE 494 - Kinesiology Senior Seminar (1)
- ☐ KINE 499 - Internship (6)

**Restricted Electives** (9-10 semester hours)

Select three courses from the list below. Courses with a lecture and lab are counted as one course.

- BIOL 315 - Epidemiology (3)
- KINE 333 – Community Health (3)
- KINE 370 - Biomechanics (3) and KINE 370L - Biomechanics Laboratory (1)
- KINE 401 - Organization/Administration/Legal Considerations in Physical Education and Sports (3)
- KINE 403 - Advanced Strength and Conditioning (3)
- KINE 404 - Clinical Exercise Physiology and Advanced Exercise Prescription (3)
- KINE 411 – Worksite Health Promotion (3)
- KINE 430 - Medical Conditions and Pharmacology in Sports (3)
- KINE 480 - Inclusive Physical Activity (3)
- KINE 487 - Structured Research (3)
- KINE 396 or KINE 496 - Topics (3)
- PSYC 401 - Sport Psychology (3)
- ENTR 300 Small Business and Entrepreneurship (3)
- ENTR 340 Applied Financial Management for Emerging Businesses (3)

☐ \_\_\_\_\_

☐ \_\_\_\_\_

☐ \_\_\_\_\_

\*Do not double count KINE 333/411 from the list of major requirements.

**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total hours to 120 hours. 20-24 semester hours.)

- ☐ Math 113 – College Algebra (1)
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_



**Freshman Year, Fall Semester: 17 credits**

- ENGL 111 - English Composition (3)
- KINA 1XX - (1)
- KINE 100 - Health and Wellness (1)
- KINE 200 - History and Philosophy of Sport and Physical Education (3)
- Essential Learning - Natural Science (3)
- Essential Learning - Fine Arts (3)
- Essential Learning - History (3)

**Freshman Year, Spring Semester: 17 credits**

- ENGL 112 - English Composition (3)
  - KINE 213 - Applications of Physical Fitness and Exercise Prescription (3)
  - Essential Learning - Social and Behavioral Science (3)
  - BIOL 209 - Human Anatomy and Physiology (3) and BIOL 209L - Human Anatomy and Physiology Laboratory (1)
  - MATH 113 – College Algebra (4)
- 

**Sophomore Year, Fall Semester: 17 credits**

- KINA 1XX - (1)
- KINE 250 - Lifeguard Training (3) or KINE 265 - First Aid and CPR/AED for the Health Care Provider (3)
- CSCI 100 – Computers In Our Society (3) OR STAT - 200 Probability and Statistics (3) or higher level CSCI or STAT course
- Essential Learning - Natural Science with Lab (4)
- Essential Learning - Humanities (3)
- General Elective (3)

**Sophomore Year, Spring Semester: 16 credits**

- Essential Learning - Social and Behavioral Science (3)
  - KINE 203 - Human Nutrition (3)
  - KINE 297 - Practicum (2)
  - KINA 1XX - (1)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
  - General Elective (3)
- 

**Junior Year, Fall Semester: 14 credits**

- KINE 301 - Health and Fitness Assessment (3)
- KINE 303 – Physiology of Exercise (3) and KINE 303L - Physiology of Exercise Laboratory (1)
- KINE 333 - Community Health (3) or KINE 411 – Worksite Health Promotion (3)
- KINA 128 - Intermediate Weight Training (1)
- General Elective (3)

**Junior Year, Spring Semester: 15 credits**

- KINE 309 - Anatomical Kinesiology (3)
  - KINE 405 - Sports Nutrition (3)
  - KINE 415 - Physical Activity and Aging (3)
  - Restricted Elective (3)
  - General Elective (3)
- 

**Senior Year, Fall Semester: 12-14 credits**

- KINE 310 – Methods of Exercise Instruction (3)
- Restricted Elective (6-7)
- General Elective (3-4)

**Senior Year, Spring Semester: 13-14 credits**

- KINE 494 - Kinesiology Senior Seminar (1)
  - KINE 499 - Internship (6)
  - General Elective (if needed) (6-7)
-

## Revision to Submission (2/22/18):



## 2017-2018 PROGRAM MODIFICATION FORM

**INSTRUCTIONS:** Prepare this form on a campus computer with Microsoft Office 2013 or 2016, and use the tab key to advance from one form field to the next. Do "enable content" when opening the form. Converting this form to use with a different processing program will corrupt the programming. Corrupt forms will not be accepted.

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### 1. Required information for a program modification proposal:

(see Section IV.L of Curriculum Manual)

#### a. Identifying information

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Department Name: **Kinesiology**

Degree type:

Program:

If program/concentration name is changing, enter new name: **BS, Fitness and Health Promotion**

Abbreviated program/concentration (max 30 characters):

Is there a revision to the program sheet? Yes ☒ No ☐

If yes, also submit the revised program sheet. See instructions below.

#### Program Sheet Revision Instructions:

Obtain the current year's program sheet at R:\Curriculum\Program Sheets for Curriculum Program Modifications and revise as needed. The program sheets available in this folder have "tracked changes" locked so that you can make the necessary revisions and they will be easily visible to reviewers. Examples of curriculum changes that will require a program sheet revision: changing the program name, adding or deleting required courses, changing the course title or credit hours on any required or suggested course included in a program, and changing the suggested course sequencing.

#### PROPOSED AND PREPARED BY:

Name: **Jeremy Hawkins**

Email: **jrhawkins@coloradomesa.edu**

Date: **2/2/2018**

Phone: **248-1374**

#### b. Description of the proposed modification:

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Replace CSCI 100 with CSCI 110 or higher level CSCI course as an option to fulfill the requirement that a BS degree have 3 credit hours of mathematics or statistics or computer science beyond the Essential Learning Requirement.

#### c. Justification for the program modification:

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To comply with the spirit of the law and the current interpretation of the Curriculum Policies and Procedures Manual.

#### d. Student Learning Outcomes (SLOs)

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Will this modification substantially alter any of the program's student learning outcomes (SLOs)?

Yes ☐ No ☒

If yes, provide the following

- 1) Identify program student learning outcomes (SLOs)
- 2) Identify linkage of program SLOs to institutional SLOs
- 3) Illustrate relationship of SLOs to proposed curriculum using curriculum map format
- 4) Identify planned assessments for the program SLO.

#### e. Other Program Characteristics

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Will this modification change any of the following program characteristics?

- Program goals, etc.
- Program strengths, etc.
- Accreditation, professional associations, licensing requirements, etc ...
- Program-specific admissions requirements
- Rationale for the program such as evidence of employer/student demand
- Relationship to existing campus programs or similar state programs
- Compliance with Credit Hour Policy
- Number of faculty
- Needed learning resources
- Delivery mode
- Inclusion in PTO category

Yes ☐ No ☒

If yes, please address those changes as indicated in section IV.F.3.c through IV.F.3.q. of Curriculum Manual.

### 2. Discuss the proposal with all departments that might be affected.

List the departments and the date and outcome of the discussion below. Enter NA if none.

NA

### 3. Obtain departmental approval according to department-specific procedures.

#### Implementation Deadlines

Program additions and modifications approved at the September-February curriculum meetings are generally implemented the following academic year. See Section II.D of the Curriculum Manual. Exceptions are rare and granted only in extenuating circumstances. To request a different effective date, the academic department head should contact the curriculum committee chair. (Note: in the approval process, only the VPAA will ultimately approve or deny the request.)

REVIEWED BY DEPARTMENT'S CURRICULUM COMMITTEE REPRESENTATIVE:

Name: **Keith Fritz**

Date: **2/2/2018**

APPROVED BY DEPARTMENT HEAD:

Name: **Jeremy Hawkins**

Date: **2/2/2018**

APPROVED BY DIRECTOR OF TEACHER EDUCATION (REQUIRED FOR TEACHING PROGRAMS)

Name:

Date:

**Submit to the chair of the appropriate curriculum committee.**



**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Bachelor of Science**  
**Major: Fitness and Health Promotion**

**About This Major . . .**

Students enrolled in this major should have a strong interest in the sciences as this program applies science to human function. The student will explore exercise physiology, anatomical kinesiology, community health, physical activity and aging, worksite health promotion, and sports nutrition, among other subject areas. Career opportunities include: sports and wellness program instructors and directors; strength coaches for college, university and professional sports\* programs; managers and exercise leaders in corporate wellness programs; nutritionists\*; occupational therapists\*; and personal trainers.

\*Career requires additional post-baccalaureate studies.

Colorado Mesa students frequently continue their study for graduate or professional degrees at universities widely recognized as top programs in exercise physiology, occupational therapy, physical education, and public health.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Evaluate the functions of the individual body systems. (Specialized Knowledge)
2. Identify risk factors associated with chronic disease. (Specialized Knowledge)
3. Identify exercise cautions and other safety concerns. (Critical Thinking)
4. Identify the scope and definitions of health, fitness, and human performance, with the ability to analyze the data critically. (Applied Learning, Quantitative Fluency)
5. Describe and communicate how physical activity relates to health. (Communication Fluency)

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

**Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 2.0 cumulative GPA or higher in coursework toward the major content area.

### **ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 113 – College Algebra (4) or higher  
3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit.

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (3 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ KINA 1XX – (1)
- ☐ KINA 1XX – (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

### **FOUNDATION COURSES** (10-~~13~~14 semester hours)

- ☐ CSCI ~~100-110~~ – ~~Computers In Our Society~~Beginning Programming/CSCI 110L – Beginning Programming Laboratory (~~34~~) OR  
STAT 200 - Probability and Statistics (3) or higher level CSCI or STAT course
- ☐ KINE 203 - Human Nutrition (3)
- ☐ BIOL 209 - Human Anatomy and Physiology (3)
- ☐ BIOL 209L - Human Anatomy and Physiology Laboratory (1)
- ☐ Students must have a current CPR card OR take one of the following:  
KINE 250 - Lifeguard Training (3)  
KINE 265 - First Aid and CPR/AED for the Health Care Provider (3)

**BS, FITNESS AND HEALTH PROMOTION REQUIREMENTS** (48-49 semester hours, 2.0 cumulative GPA or higher required in major content area.)

**Required Core Courses** (39-semester hours)

- ☐ KINA 128 – Intermediate Weight Training (1)
- ☐ KINA 1XX - (1)
- ☐ KINE 200 - History and Philosophy of Sport and Physical Education (3)
- ☐ KINE 213 - Applications of Physical Fitness and Exercise Prescription (3)
- ☐ KINE 297 - Practicum (2)
- ☐ KINE 301 - Health and Fitness Assessment (3)
- ☐ KINE 303 - Physiology of Exercise (3)
- ☐ KINE 303L - Physiology of Exercise Laboratory (1)
- ☐ KINE 309 - Anatomical Kinesiology (3)
- ☐ KINE 310 - Methods of Exercise Instruction (3)
- ☐ KINE 333 - Community Health (3) or KINE 411 - Worksite Health Promotion (3)
- ☐ KINE 405 - Sports Nutrition (3)
- ☐ KINE 415 - Physical Activity and Aging (3)
- ☐ KINE 494 - Kinesiology Senior Seminar (1)
- ☐ KINE 499 - Internship (6)

**Restricted Electives** (9-10 semester hours)

Select three courses from the list below. Courses with a lecture and lab are counted as one course.

- BIOL 315 - Epidemiology (3)
- KINE 333 – Community Health (3)
- KINE 370 - Biomechanics (3) and KINE 370L - Biomechanics Laboratory (1)
- KINE 401 - Organization/Administration/Legal Considerations in Physical Education and Sports (3)
- KINE 403 - Advanced Strength and Conditioning (3)
- KINE 404 - Clinical Exercise Physiology and Advanced Exercise Prescription (3)
- KINE 411 – Worksite Health Promotion (3)
- KINE 430 - Medical Conditions and Pharmacology in Sports (3)
- KINE 480 - Inclusive Physical Activity (3)
- KINE 487 - Structured Research (3)
- KINE 396 or KINE 496 - Topics (3)
- PSYC 401 - Sport Psychology (3)
- ENTR 300 Small Business and Entrepreneurship (3)
- ENTR 340 Applied Financial Management for Emerging Businesses (3)

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

\*Do not double count KINE 333/411 from the list of major requirements.

**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total hours to 120 hours. ~~2019~~-24 semester hours.)

<input type="checkbox"/>	Math 113 – College Algebra (1)
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____



## SUGGESTED COURSE SEQUENCING

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### Freshman Year, Fall Semester: 17 credits

- ENGL 111 - English Composition (3)
- KINA 1XX - (1)
- KINE 100 - Health and Wellness (1)
- KINE 200 - History and Philosophy of Sport and Physical Education (3)
- Essential Learning - Natural Science (3)
- Essential Learning - Fine Arts (3)
- Essential Learning - History (3)

### Freshman Year, Spring Semester: 17 credits

- ENGL 112 - English Composition (3)
  - KINE 213 - Applications of Physical Fitness and Exercise Prescription (3)
  - Essential Learning - Social and Behavioral Science (3)
  - BIOL 209 - Human Anatomy and Physiology (3) and BIOL 209L - Human Anatomy and Physiology Laboratory (1)
  - MATH 113 – College Algebra (4)
- 

### Sophomore Year, Fall Semester: 17-18 credits

- KINA 1XX - (1)
- KINE 250 - Lifeguard Training (3) or KINE 265 - First Aid and CPR/AED for the Health Care Provider (3)
- CSCI ~~100-110~~ – ~~Computers In Our Society~~ Beginning Programming/CSCI 110L – Beginning Programming Laboratory (34) OR  
STAT - 200 Probability and Statistics (3) or higher level CSCI or STAT course
- Essential Learning - Natural Science with Lab (4)
- Essential Learning - Humanities (3)
- General Elective (3)

### Sophomore Year, Spring Semester: 16 credits

- Essential Learning - Social and Behavioral Science (3)
  - KINE 203 - Human Nutrition (3)
  - KINE 297 - Practicum (2)
  - KINA 1XX - (1)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
  - General Elective (3)
- 

### Junior Year, Fall Semester: 14 credits

- KINE 301 - Health and Fitness Assessment (3)
- KINE 303 – Physiology of Exercise (3) and KINE 303L - Physiology of Exercise Laboratory (1)
- KINE 333 - Community Health (3) or KINE 411 – Worksite Health Promotion (3)
- KINA 128 - Intermediate Weight Training (1)
- General Elective (3)

### Junior Year, Spring Semester: 15 credits

- KINE 309 - Anatomical Kinesiology (3)
  - KINE 405 - Sports Nutrition (3)
  - KINE 415 - Physical Activity and Aging (3)
  - Restricted Elective (3)
  - General Elective (3)
- 

### Senior Year, Fall Semester: 12-14 credits

- KINE 310 – Methods of Exercise Instruction (3)
- Restricted Elective (6-7)
- General Elective (3-4)

### Senior Year, Spring Semester: 13-14 credits

- KINE 494 - Kinesiology Senior Seminar (1)
- KINE 499 - Internship (6)
- General Elective (if needed) (6-7)

# Summary of UCC Actions on Curriculum Proposals

2/22/2018

Proposal	Committee Action	Members (motion/second)	Effective Date
1 Course Addition: ARTA 421 Advanced Filmmaking  No discussion	Approved	Van Brussel, Chovich	Fall 2018
2 Course Addition: ARTH 331 History of the Moving Image  No discussion	Approved	Van Brussel, Chovich	Fall 2018
3 Course Addition: ARTS 375 Screen Printing II  No discussion	Approved	Van Brussel, Chovich	Fall 2018
4 Course Addition: ARTS 470 Advanced Lithography  No discussion	Approved	Van Brussel, Chovich	Fall 2018
5 Course Modification: ARTA 224 Principles of Film & Motion Design No discussion.	Approved	Gurka, Lohse	Fall 2018
6 Course Modification: ARTA 326 Digital Filmmaking  No discussion.	Approved	Gurka, Lohse	Fall 2018
7 Course Modification: ARTA 327 Sound Principles & Production No discussion.	Approved	Gurka, Lohse	Fall 2018
8 Course Modification: ARTS 274 Printmaking: Intaglio and Relief No discussion.	Approved	Gurka, Lohse	Fall 2018
9 Course Modification: ARTS 370 Printmaking: Lithography  No discussion.	Approved	Gurka, Lohse	Fall 2018
10 Course Modification: ARTS 371 Printmaking Workshop I  No discussion.	Approved	Gurka, Lohse	Fall 2018
11 Program Modification: BFA Animation, Film, Photography and Motion Design: 3284 No discussion.	Approved	McKenney, Chovich	Fall 2018

Proposal	Committee Action	Members (motion/second)	Effective Date
12 Course Modification: BIOL 250L Introduction to Biology Laboratory-GTSC1 No discussion.	Approved	Gurka, McKenney	Fall 2018
13 Course Modification: BIOL 341 General Physiology No discussion.	Approved	Gurka, McKenney	Fall 2018
14 Course Modification: BIOL 341L General Physiology Laboratory No discussion.	Approved	Gurka, McKenney	Fall 2018
15 Course Modification: BIOL 412 Ornithology No discussion.	Approved	Gurka, McKenney	Fall 2018
16 Course Modification: BIOL 412L Ornithology Laboratory No discussion.	Approved	Gurka, McKenney	Fall 2018
17 Course Modification: BIOL 413 Herpetology No discussion.	Approved	Gurka, McKenney	Fall 2018
18 Course Modification: BIOL 413L Herpetology Laboratory No discussion.	Approved	Gurka, McKenney	Fall 2018
19 Program Modification: BS Biological Sciences-Biology: 3410 No discussion.	Approved	Chovich, Gurka	Fall 2018
20 Program Modification: BS Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414 No discussion.	Approved	Chovich, Gurka	Fall 2018
21 Program Modification: BS Biological Sciences-Ecology, Evolution and Organismal Biology: 3409 No discussion.	Approved	Chovich, Gurka	Fall 2018
22 Course Addition: CONM 462L Soil and Foundation Construction Laboratory No discussion.	Approved	Gurka, McKenney	Fall 2018
23 Course Modification: CONM 462 Soil and Foundation Construction No discussion.	Approved	Gurka, McKenney	Fall 2018

Proposal	Committee Action	Members (motion/second)	Effective Date
<p>24 Course Modification: CONM 475 Construction Company and Financial Management</p> <p>No discussion.</p>	Approved	Gurka, McKenney	Fall 2018
<p>25 Program Modification: BS Construction Management: 3180</p> <p>No discussion.</p>	Approved	Van Brussel, McKenney	Fall 2018
<p>26 Course Modification: STAT 241 Introduction to Business Analysis</p> <p>No discussion.</p>	Approved	Hancock, McKenney	Fall 2018
<p>27 Program Modification: BA Liberal Arts-Elementary Education, English: 3291</p> <p>Bodyfelt expressed concern over the prescribing of a GEOL course for the Essential Learning Natural Science course without a lab as some eligible GEOL courses have labs. She also expressed concern for allowing BIOL 209 and BIOL 210 as options for the science requirement in the program requirements. Friel informed the committee that students will have options for courses without labs in both cases. She also let them know that BIOL 209 and BIOL 210 are options because they get a relatively high volume of pre-nursing students move into their education programs. As these students would likely have taken these courses, this allows for their easy incorporation into the education program requirements.</p>	Approved	Van Brussel, Chovich	Fall 2018
<p>28 Program Modification: BA Liberal Arts-Elementary Education, Mathematics: 3491</p> <p>Bodyfelt expressed concern over the prescribing of a GEOL course for the Essential Learning Natural Science course without a lab as some eligible GEOL courses have labs. She also expressed concern for allowing BIOL 209 and BIOL 210 as options for the science requirement in the program requirements. Friel informed the committee that students will have options for courses without labs in both cases. She also let them know that BIOL 209 and BIOL 210 are options because they get a relatively high volume of pre-nursing students move into their education programs. As these students would likely have taken these courses, this allows for their easy incorporation into the education program requirements.</p>	Approved	Van Brussel, Chovich	Fall 2018
<p>29 Program Modification: BA Liberal Arts-Elementary Education, Social Science: 3791</p> <p>Bodyfelt expressed concern over the prescribing of a GEOL course for the Essential Learning Natural Science course without a lab as some eligible GEOL courses have labs. She also expressed concern for allowing BIOL 209 and BIOL 210 as options for the science requirement in the program requirements. Friel informed the committee that students will have options for courses without labs in both cases. She also let them know that BIOL 209 and BIOL 210 are options because they get a relatively high volume of pre-nursing students move into their education programs. As these students would likely have taken these courses, this allows for their easy incorporation into the education program requirements.</p>	Approved	Van Brussel, Chovich	Fall 2018
<p>30 Course Modification: ENGR 224 Materials Science</p> <p>No discussion.</p>	Approved	Lohse, Fritz	Fall 2018
<p>31 Course Modification: ENGR 224L Materials Science Laboratory</p> <p>No discussion.</p>	Approved	Lohse, Fritz	Fall 2018

Proposal	Committee Action	Members (motion/second)	Effective Date
32 Program Modification: BS Mechanical Engineering(CMU/CU Partnership): 3451 No discussion.	Approved	Gurka, Lohse	Fall 2018
33 Program Modification: BSN Nursing: 3611 No discussion.	Approved	Chovich, McKenney	Fall 2018
34 Program Modification: BSN Nursing-LPN to BSN: 3610 No discussion.	Approved	Chovich, McKenney	Fall 2018
35 Program Deletion: BS Athletic Training (Inactive): 3146 Deletion No discussion.	Approved	Van Brussel, Fritz	Fall 2018
36 Course Addition: ENGL 389 Screenwriting No discussion.	Approved	Van Brussel, Gurka	Fall 2018
37 Program Modification: BA English-Secondary Education: 3213 No discussion.	Approved	Gurka, Van Brussel	Fall 2018
38 Program Modification: BA English-Writing: 3215 No discussion.	Approved	Gurka, Van Brussel	Fall 2018
39 Course Addition: FLAI 111 First-Year Italian I No discussion.	Approved	Lohse, Fritz	Fall 2018
40 Course Addition: FLAI 112 First-Year Italian II No discussion.	Approved	Lohse, Frtiz	Fall 2018
41 Course Addition: FLAM 111 First-Year Mandarin Chinese I No discussion.	Approved	Lohse, Frtiz	Fall 2018
42 Course Addition: FLAM 112 First-Year Mandarin Chinese II No discussion.	Approved	Lohse, Frtiz	Fall 2018
43 Course Addition: FLAR 111 First-Year Russian I No discussion.	Approved	Lohse, Frtiz	Fall 2018

Proposal	Committee Action	Members (motion/second)	Effective Date
44 Course Addition: FLAR 112 First-Year Russian II  No discussion.	Approved	Lohse, Frtiz	Fall 2018
46 Course Modification: MASS 144 Multimedia Storytelling  No discussion.	Approved	Hancock, Gurka	Fall 2018
47 Course Modification: MASS 213 Introduction to Media Writing and Reporting  No discussion.	Approved	Hancock, Gurka	Fall 2018
48 Course Modification: MASS 251 Mass Media: Advertising and Promotion  No discussion.	Approved	Hancock, Gurka	Fall 2018
49 Course Modification: MASS 261 Audio Announcing and Production  No discussion.	Approved	Hancock, Gurka	Fall 2018
50 Course Modification: MASS 310 Media Law and Ethics  No discussion.	Approved	Hancock, Gurka	Fall 2018
51 Course Modification: MASS 313 Broadcast Journalism Reporting  No discussion.	Approved	Hancock, Gurka	Fall 2018
52 Course Modification: MASS 315A SPECIALIZED WRITING FOR MEDIA: SCIENCE  No discussion.	Approved	Hancock, Gurka	Fall 2018
53 Course Modification: MASS 315B Specialized Writing for Media: Sports  No discussion.	Approved	Hancock, Gurka	Fall 2018
54 Course Modification: MASS 315C SPECIALIZED WRITING FOR MEDIA: HEALTH  No discussion.	Approved	Hancock, Gurka	Fall 2018
55 Course Modification: MASS 315D Specialized Writing for Media: Crime  No discussion.	Approved	Hancock, Gurka	Fall 2018
56 Course Modification: MASS 317 Writing Opinion for Impact  No discussion.	Approved	Hancock, Gurka	Fall 2018

Proposal	Committee Action	Members (motion/second)	Effective Date
57 Course Modification: MASS 350 Public Relations Concepts	Approved	Hancock, Gurka	Fall 2018
No discussion.			
58 Course Modification: MASS 352 Design and Editing for Print	Approved	Hancock, Gurka	Fall 2018
No discussion.			
59 Course Modification: MASS 415 Advanced Media Writing and Reporting	Approved	Hancock, Gurka	Fall 2018
No discussion.			
60 Course Modification: MASS 417 Writing for Public Relations and Advertising	Approved	Hancock, Gurka	Fall 2018
No discussion.			
61 Course Modification: MASS 441 Emerging Media	Approved	Hancock, Gurka	Fall 2018
No discussion.			
62 Course Modification: MASS 442 Photojournalism II	Approved	Hancock, Gurka	Fall 2018
No discussion.			
63 Course Modification: MASS 450 Public Relations Campaigns	Approved	Hancock, Gurka	Fall 2018
No discussion.			
64 Course Modification: MASS 452 Designing for Brand and Message	Approved	Hancock, Gurka	Fall 2018
No discussion.			
65 Course Modification: MASS 494 Seminar, Theory and Research	Approved	Hancock, Gurka	Fall 2018
Bodyfelt corrected a minor typo in the proposed course name.			
66 Course Modification: MASS 498 Senior Project Portfolio	Approved	Hancock, Gurka	Fall 2018
No discussion.			
67 Course Modification: MASS 499 Internship	Approved	Hancock, Gurka	Fall 2018
No discussion.			
45 Course Deletion: MASS 297 Practicum	Approved	Hancock, McKenney	Fall 2018
No discussion.			

Proposal	Committee Action	Members (motion/second)	Effective Date
68 Program Modification: BA Mass Communication-Media Strategies and Applications: 3256 No discussion.	Approved	Gurka, Choivch	Fall 2018
69 Program Modification: BS Geosciences-Environmental Geology: 3473 No discussion.	Approved	Fritz, Van Brussel	Fall 2018
70 Program Modification: BS Geosciences-Geology: 3472 No discussion.	Approved	Fritz, Van Brussel	Fall 2018
71 Program Modification: Minor Geographic Information Science and Technology: M752 No discussion.	Approved	Hancock, McKenney	Fall 2018
72 Course Modification: PSYC 435 Applied Social Psychology No discussion.	Approved	Chovich, McKenney	Fall 2018
73 Program Modification: AS Agriculture Science: 2341 No discussion.	Approved	Lohse, Gurka	Fall 2018
74 Program Addition: AAS Gerontolgy Specialist No discussion.	Approved	Van Brussel, Hancock	Fall 2018



# Curriculum Committee Proposal Summary

2/22/2018

Department: Art and Design

## Course Additions

ARTA 421

Credit Hours 3

Course Title: Advanced Filmmaking

Abbreviated Title: Advanced Filmmaking

Contact hours per week: Lecture 1 Lab Field Studio 4 Other

Type of Instructional Activity: Hybrid Courses

Academic engagement minutes: 3750 Student preparation minutes: 3000

Intended semesters for offering this course: Fall ☒ J-Term ☐ Spring ☒ Summer ☐

Intended semester to offer course 1st time: Fall 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

ARTA 326

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

## Course description for catalog:

Advanced studies in digital filmmaking focusing on each student's individual creative interests such as experimental filmmaking or the combination of film with additional media.

## Justification:

Currently the AFP&MD major has only one course in digital filmmaking, and by adding this advanced class it will give students the option to take this second course as an elective so they can continue their studies at the advanced level.

## Topical course outline:

1. Screenwriting
2. Directing
3. Cinematography
4. Lighting
5. Sound Design
6. Editing & Final Output
7. Film Festivals and Public Viewing

## Student Learning Outcomes:

### Course Additions

1. Exhibit the practice of refined and broadened filmmaking practices
2. Demonstrate aesthetics, techniques and professional practices of filmmaking from conceptualization to postproduction
3. Direct advanced cinematography, advanced editing, and production
4. Screen completed student work in a public venue
5. Submit final film to independent film festival(s)
6. Create a professional advanced filmmaking demo reel.

Discussions with affected departments:

N/A

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Proposed by: Carolyn Quinn-Hensley

Expected Implementation: Fall 2018

## Course Additions

ARTH 331

Credit Hours 3

Course Title: History of the Moving Image

Abbreviated Title: History of the Moving Image

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☒ J-Term ☐ Spring ☐ Summer ☐

Intended semester to offer course 1st time: Fall 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

ARTE 118 and ARTE 119

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☒ No ☐

Art and Design BFA, Animation, Film, Photography and Motion Design: 3284

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Exploration of the history of the moving image from the pre-industrial era through the contemporary and digital era, focusing on the history of both technological and artistic development, and the moving image in its varied types.

### Justification:

Time-based media is a particular specialized branch of visual art and design that focuses specifically on visual images in motion, and covers film, animation, electronic games, fine art, and motion design. It is the core concern of students studying animation, film, and motion design at CMU as part of the Animation, Film, Photography, and Motion Design (AFP&MD) program. Currently, there is no course that serves as a comprehensive overview of the history of this particular medium. This is disadvantageous as it undermines the foundations of the AFP&MD program; majors are expected to have a great deal of knowledge about their chosen specialization in order to find a place in the professional sphere. This course will contribute to the historical context component of the course as students develop concepts and technical skills. In addition to the AFP&MD program, it will be open to all anyone with the necessary prerequisites. For these reasons, the Art Department would like to add this course and provide our students with a strong background in the history of their selected area of study.

### Topical course outline:

#### A. The Dawn of Moving Image (Pre-1900)

- a. Pre-Industrial
- b. Industrial Revolution
- c. Early Pioneers

#### B. Birth of the Industry (1900s-1930s)

- a. The Silent Era

## Course Additions

- b. The coming of Sound
- c. Classical, German expressionism, and Surrealism
- d. Soviet filmmaking
- e. Fleischer Studios and the New York School of Animation
- f. Fine art experimentation
- C. The War and Midcentury (1940s-1960s)
  - a. The War and Post-War
  - b. International developments
  - c. Neo-Realism, Noir, and New Wave
  - d. Studio cinema
  - e. The advent of Color
  - f. Television and Moving Image Advertisement
- D. The Postmodern Era and the Rise of Computers (1970s-90s)
  - a. The emergence of Electronic Games
  - b. Independent filmmaking
  - c. The fall and resurrection of Disney
  - d. The New Media Artist
  - e. The rise of the Japanese Animation Industry
- E. The Digital Era (1990s-Present)
  - a. Moving Image and the Internet
  - b. Digital revolution and CGI
  - c. Mega-corporations and individual creators
  - d. Installation and projection mapping
  - e. Electronic Games as narrative art form

### Student Learning Outcomes:

Upon completion of this course, a student should be able to:

1. Demonstrate knowledge of the history and development of film, animation, new media art and interactive digital media in Europe, Asia and the United States
2. Demonstrate knowledge in relation to styles, movements, and historical examples
3. Use knowledge of the history of moving image to research and present written and oral analysis of both commercial and experimental motion image work

### Discussions with affected departments:

N/A

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Proposed by: Carolyn Quinn-Hensley

Expected Implementation: Fall 2018

## Course Additions

### ARTS 375

Credit Hours 3

Course Title: Screen Printing II

Abbreviated Title: Screen Printing II

Contact hours per week: Lecture 1 Lab Field Studio 4 Other

Type of Instructional Activity: Hybrid Courses

Academic engagement minutes: 3750 Student preparation minutes: 3000

Intended semesters for offering this course: Fall ☒ J-Term ☐ Spring ☐ Summer ☐

Intended semester to offer course 1st time: Fall 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

### ARTS 270

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Continued development and refinement of the techniques and concepts of fine art screen printing, including in-depth exploration of color, size, scale, and complexity of multiple layer imagery. Emphasis will be put on the development of creative thinking, developing personal artistic concepts, and portfolio development.

### Justification:

I have students intereseted in learning more and advanced fine art lithography techniques and creative concepts that are beyond the (introductory) lithography course. This course has been successfully offered over the last three years as a topics course, and since there has been sufficient student interest I want to make it a permanent course.

### Topical course outline:

- 1: Increase knowledge and application of direct and indirect color mixing.
- 2: Refine layer registration skills
- 3: Demonstrate an ability to create consistent editions of printed imagery
- 4: Use critical and creative thinking to develop a usity of chosen technique and personal concept.

### Student Learning Outcomes:

- 1: Explain verbally, in writing and present projects that demonstrate an advanced understanding of color theory as itrelates to screen printing including direct and indirect color mixing.
- 2: Demonstrate an advanced ability to tightly register multiple layers of printed images
- 3: Demonstrate ability to create consistent editions of printed imagery.
- 4: Use critical and creative thinking to develop a usity of chosen technique and personal concept.

Proposed by: Josh Butler

Expected Implementation: Fall 2018

## Course Additions

### ARTS 470

Credit Hours 3

Course Title: Advanced Lithography

Abbreviated Title: Advanced Lithography

Contact hours per week: Lecture 1 Lab Field Studio 4 Other

Type of Instructional Activity: Hybrid Courses

Academic engagement minutes: 3750 Student preparation minutes: 3000

Intended semesters for offering this course: Fall ☐ J-Term ☐ Spring ☒ Summer ☐

Intended semester to offer course 1st time: Spring 2019

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

### ARTS 370

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Continued development and refinement of techniques and concepts of fine art lithography including polyester plate lithography, independent technical research, and creative critical thinking as applied to the development of personal conceptual artistic direction.

### Justification:

I have students interested in learning more and advanced fine art lithography techniques and creative concepts that are beyond the (introductory) lithography course. This course has been successfully offered for the last three years as a topics course, and since there has been sufficient student interest I want to make it a permanent course.

### Topical course outline:

- 1: Increase knowledge and application of Stone, Plate, and Photo Lithography.
- 2: Learn the technique of polyester plate lithography.
- 3: Refine layer registration skills
- 3: Demonstrate an ability to create consistent editions of printed imagery.
- 4: Research advanced lithographic techniques that are in line with individual student interests.
- 4: Use critical and creative thinking to unify technique and personal concept.

### Student Learning Outcomes:

- 1: Demonstrate an increased knowledge and application of Stone, Plate, and Photo Lithography.
- 2: Demonstrate an understanding of the technique of polyester plate lithography.
- 3: Demonstrate advanced multiple layer registration skills.
- 3: Demonstrate an ability to create consistent editions of printed imagery.
- 4: Research and demonstrate the use of advanced lithographic techniques that are in line with individual student interests.
- 4: Use critical and creative thinking to unify technique and personal concept

## Course Additions

Discussions with affected departments:

none

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Proposed by: Josh Butler

Expected Implementation: Fall 2018

## Course Modifications

### ARTA 224

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	ARTA	
Course No.:	224	
Credit Hours:	3	
Course Title:	Principles of Film & Motion Design	
Times for Credit:	1	1
Prerequisites:		
	Current: ARTE 101 and ARTE 102 and ARTS 151	
	Proposed: ARTE 101 and ARTE 102	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

#### Justification:

Not enough sections of ARTS 151 are offered so that students can complete the class in time to take ARTA 224, which is impacting course sequencing and students ability to graduate in four years. Also, subjects covered in ARTS151 are not mandatory for student success in ARTA 224.

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Proposed by: Carolyn Quinn-Hensley

Expected Implementation: Fall 2018



## Course Modifications

### ARTA 326

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	ARTA	
Course No.:	326	
Credit Hours:	3	
Course Title:	Digital Filmmaking	
Times for Credit:	1	1
Prerequisites:		
	Current: ARTA 223 and ARTA 224 and ARTA 225	
	Proposed: ARTA 223 and ARTA 225	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

#### Justification:

Course sequencing has changed with the addition of photography courses, so that keeping the prerequisite of ARTA 224 as a prerequisite for ARTA 326 holds up some students for a whole year, and since the material in ARTA 224 is not mandatory for student success in ARTA 326, it is being removed.

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Proposed by: Carolyn Quinn-Hensley

Expected Implementation: Fall 2018

## Course Modifications

### ARTA 327

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	ARTA	
Course No.:	327	
Credit Hours:	3	
Course Title:	Sound Principles & Production	
Times for Credit:	1	1
Prerequisites:		
	Current: ARTA 223 and ARTA 224 and ARTA 225	
	Proposed: ARTA 223 and ARTA 225	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

#### Justification:

Course sequencing has changed with the addition of photography courses, so that keeping the prerequisite of ARTA 224 as a prerequisite for ARTA 327 holds up some students for a whole year, and since the material in ARTA 224 is not mandatory for student success in ARTA 327, it is being removed.

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Proposed by: Carolyn Quinn-Hensley

Expected Implementation: Fall 2018

## Course Modifications

### ARTS 274

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	ARTS	
Course No.:	274	
Credit Hours:	3	
Course Title:	Printmaking: Intaglio and Relief	
Times for Credit:	1	1
Prerequisites:		
	Current: ARTS 151	
	Proposed: ARTE 101	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

#### Justification:

The material covered in ARTS 151 is not necessary for student success in ARTS 274, the material covered in ARTE 101 is sufficient, and adjusting this prerequisite will make it easier for students to fit this course into their 4 year schedule.

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Proposed by: Josh Butler

Expected Implementation: Fall 2018

## Course Modifications

### ARTS 370

Intended semester to offer modified course for the 1st time: Spring 2019

	Current	Proposed
Course Prefix:	ARTS	
Course No.:	370	
Credit Hours:	3	
Course Title:	Printmaking: Lithography	
Times for Credit:	1	1
Prerequisites:		
	Current: ARTS 152	
	Proposed: ARTE 151	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

#### Justification:

The material covered in ARTS 152 is not necessary for student success in ARTS 370, the material covered in ARTS 151 is sufficient, and adjusting this prerequisite will make it easier for students to fit this course into their 4 year schedule.

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Proposed by: Josh Butler

Expected Implementation: Fall 2018

## Course Modifications

### ARTS 371

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	ARTS	
Course No.:	371	
Credit Hours:	3	
Course Title:	Printmaking Workshop I	
Times for Credit:	1	1
Prerequisites:		
	Current: ARTS 274 and ARTS 370	
	Proposed: ARTS 270 or ARTS 274 or ARTS 370	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

#### Justification:

The current prerequisites were set before ARTS 270 was introduced to the program. Having the "or" instead of "and" will allow a more students to develop fine art printmaking skills in the advanced printmaking workshop sections.

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Proposed by: Josh Butler

Expected Implementation: Fall 2018

## Program Modification

### Animation, Film, Photography and Motion Design: 3284

Degree Type: BFA

Revision to program sheet: Yes ☒ No ☐

Description of modification:

1. Delete ARTH 324 History of Graphic Design
2. Add ARTH 331 History of the Moving Image
3. Course sequencing was modified to adjust for the adding and dropping of the above courses.

Justification:

We have to adjust the program sheet due to the fact that we are changing out the History of Graphic Design for the History of the Moving image to have a class that is more relevant to the students of AFP&MD. ARTH 331 History of the Moving Image surveys the historical evolution of time-based media. Time-based media is the main focus of the BFA in Animation, Film, Photography and Motion Design.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

N/A

Proposed by: Carolyn Quinn-Hensley

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Bachelor of Fine Arts**  
**Major: Animation, Film, Photography, and Motion Design**

**About This Major . . .**

The B.F.A. in Animation, Film, Photography and Motion Design (AFP&MD) is unique. After completing traditional freshman-level composition and drawing courses, AFP&MD majors enter a three-tiered program of study. The first tier consists of courses in the principles of animation, film, photography, and motion design—courses designed to outline the specifics of each area and the relationships connecting the areas to each other. The second tier follows with intermediate-level courses where students apply and expand upon earlier basic concepts while exploring more complex applications and completing projects that address the interaction of time, movement, and space. Finally, the third tier offers advanced levels of study providing opportunities for majors to produce a more individual and high-quality portfolio coupled with options for experimentation, collaborative work, and travel. Also unique to AFP&MD are the possible experimental combinations of multiple areas of study in animation, film, photography and motion design. Students at the senior level have opportunities to integrate all four AFP&MD areas or focus on various combinations of digital techniques. Students are encouraged to follow their passions and interests and focus on the area or areas most suited to their individual career goals.

For more information on what you can do with this major go to: <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Interpret and apply formal elements and principles of design. (Specialized Knowledge)
2. Demonstrate application of tools, materials, techniques, and proper use and care for equipment through quality craftsmanship. (Applied Learning)
3. Generate individual response through concept and theory beyond formal elements to create personal content. (Communication Fluency)
4. Communicate clearly regarding the critical analysis of art and design both historical and contemporary. (Critical thinking/Communication Fluency)
5. Design and publish a professional portfolio and demo reel that meet current industry standards. (Applied Learning)
6. Demonstrate technical, aesthetic, and conceptual decisions based on application of the creative design process for photographic and time-based media. (Specialized Knowledge)

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the “Intent to Graduate” form to the Registrar’s Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student’s petition for graduation is denied, it will be her/his responsibility to consult the Registrar’s Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- A “B” or higher is required in all foundation and major courses.



**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 110 - College Mathematics (3) or higher

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (15 semester hours, must pass all courses with a grade of “B” or higher.)

- ☐ ARTE 101 - Two-Dimensional Design (3)
- ☐ ARTE 102 - Three-Dimensional Design (3)
- ☐ ARTE 118 - History of Art, Prehistory to Renaissance (3)
- ☐ ARTE 119 - History of Art, Renaissance to Present (3)
- ☐ ARTS 151 - Foundation Drawing I (3)

**BFA: ANIMATION, FILM, PHOTOGRAPHY AND MOTION DESIGN REQUIREMENTS** (51 semester hours, must pass all courses with a grade of "B" or higher.)

**Art History Course** (3 semester hours)

- ☐ ARTH ~~324~~331 - History of ~~Graphic Design~~the Moving Image (3)

**Animation, Film, Photography & Motion Design Courses** (48 semester hours)

- ☐ ARTA 123 - Lights! Camera! Action! (3)
- ☐ ARTA 222 - Principles of Digital Photography (3)
- ☐ ARTA 223 - Image and Motion (3)
- ☐ ARTA 224 - Principles of Film and Motion Design (3)
- ☐ ARTA 225 - Principles of Animation (3)
- ☐ ARTA 322 - Intermediate Photography (3)
- ☐ ARTA 323 - Character Design and Story Concepts (3)
- ☐ ARTA 324 - 2D Animation and Motion Design (3)
- ☐ ARTA 325 - 3D Digital Modeling (3)
- ☐ ARTA 326 - Digital Filmmaking (3)
- ☐ ARTA 327 - Sound Principles and Production (3)
- ☐ ARTA 422 - Advanced Photography and Studio Lighting (3)
- ☐ ARTA 424 - Animation, Film, Photography, and Motion Design Studio I (3)
- ☐ ARTA 425 - Animation, Film, Photography, and Motion Design Studio II (3)
- ☐ ARTA 426 - Advanced Motion Studio (3)
- ☐ ARTA 427 - Portfolio and Demo Reel (3)

**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours. 17 semester hours)

- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

## SUGGESTED COURSE SEQUENCING

### Freshman Year, Fall Semester: 15 credits

- ENGL 111 - English Composition (3)
- ~~MATH 110 - College Mathematics (3) or higher~~ Essential Learning – History (3)
- ARTE 118 - History of Art, Prehistory to Renaissance (3)
- ~~ARTE 101 – Two Dimensional Design (3)~~ ARTA 123 – Lights! Camera! Action! (3) or ARTE 101 – Two Dimensional Design (3)
- ~~ARTA 123 – Lights! Camera! Action! (3)~~ Essential Learning – Social and Behavioral Sciences (3)

### Freshman Year, Spring Semester: 15 credits

- ENGL 112 - English Composition (3)
- ~~ARTS 151 – Foundation Drawing I (3)~~ MATH 110 – College Mathematics (3) or higher
- ~~Essential Learning – Social and Behavioral Sciences (3)~~ ARTA 123 – Lights! Camera! Action! (3) or ARTE 101 – Two Dimensional Design (3)
- ARTE 102 - Three-Dimensional Design (3)
- ARTE 119 - History of Art, Renaissance to Present (3)

### Sophomore Year, Fall Semester: 15 credits

- ~~ARTA 223 – Image and Motion (3)~~ ARTS 151 – Foundation Drawing I (3)
- ~~ARTA 224 – Principles of Film and Motion Design (3)~~ ARTA 223 – Image and Motion (3)
- ~~ARTA 222 – Principles of Digital Photography (3)~~ ARTA 225 – Principles of Animation (3)
- ~~Essential Learning – History (3)~~ Essential Learning – Natural Science with Lab (4)
- KINE 100 - Health and Wellness (1)
- KINA Activity (1)
- ~~Essential Learning – Natural Science (3)~~

### Sophomore Year, Spring Semester: 16 credits

- ~~ARTH 324 – History of Graphic Design (3)~~ ARTA 222 – Principles of Digital Photography (3)
- ~~ARTA 225 – Principles of Animation (3)~~ ARTA 224 – Principles of Film & Motion Design (3)
- Essential Learning – Natural Science (3)
- ~~Essential Learning – Natural Science with Lab (4)~~ Humanities (3)
- ~~KINE 100 – Health and Wellness (1)~~
- ~~KINA Activity (1)~~
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)

### Junior Year, Fall Semester: 15 credits

- ARTH 331 History of the Moving Image (3)
- ARTA 323 - Character Design and Story Concepts (3)
- ARTA 324 - 2D Animation and Motion Design (3)
- ARTA 322 – Intermediate Photography (3)
- Essential Learning - Fine Arts (3)
- ~~Essential Learning – Humanities (3)~~
- ~~Elective (3)~~

### Junior Year, Spring Semester: 15 credits

- ~~Essential Learning – Social and Behavioral Sciences (3)~~
- ARTA 325 - 3D Digital Modeling (3)
- ARTA 326 - Digital Filmmaking (3)
- ARTA 327 - Sound Principles and Production (3)
- ~~ARTA 322 – Intermediate Photography (3)~~
- Essential Learning – Social and Behavioral Sciences (3)
- General Elective (3)

### Senior Year, Fall Semester: 15 credits

- ARTA 424 - Animation, Film, Photography, and Motion Design Studio I (3)
- ARTA 426 - Advanced Motion Studio (3)

2018-19 BFA, Animation, Film, Photography, and Motion Design (3284). Posted:

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- ARTA 422 - Advanced Photography and Studio Lighting (3)
- [General](#) Electives (2 courses) (6)

**Senior Year, Spring Semester: 14 credits**

- ARTA 425 - Animation, Film, Photography, and Motion Design Studio II (3)
  - ARTA 427 - Portfolio and Demo Reel (3)
  - [General](#) Electives (3 courses) (8)
-

## Department: Biology

### Course Modifications

#### BIOL 250L

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	BIOL	
Course No.:	250L	
Credit Hours:	2	1
Course Title:	Introduction to Biology Laboratory-GTSC1	
Contact hours:	Lecture	Lecture
	Lab 4	Lab 2
	Field	Field
	Studio	Studio
	Other	Other
Engage Min.:	3000	1500
Prep Min.:	1500	750
Times for Credit:	1	1

#### Description for catalog:

Current: Major types of microorganisms with an emphasis on bacteria. Microbial taxonomy, structure, metabolism, genetics, and aspects of infectious disease and the immune host response. Three lecture hours and two two-hour laboratories per week.

Proposed: Major types of microorganisms with an emphasis on bacteria. Microbial taxonomy, structure, metabolism, genetics, and aspects of infectious disease and the immune host response. Three lecture hours and one two-hour laboratory per week.

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☒ No ☐

Health Sciences BSN, Nursing: 3611

Biology BS, Biological Sciences-Biology: 3410

Biology BS, Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

Health Sciences BSN, Nursing-LPN to BSN: 3610

#### Justification:

This laboratory course is part of an introductory lecture/lab course, and it is felt that a one-hour laboratory is sufficient at this level for students to gain hands-on experience in the methods used. The course is a Natural Science with Lab Essential Learning option, but the current additional hour of laboratory credit is not used to fulfill this category and must be used as part of the student's general electives. Finally, the extra credit hour aligns poorly with the GT Pathways transfer agreement in that most institutions that offer this course as three plus one hours, not three plus two hours.

#### Topical course outline, current:

Lab Safety

Microscopy

Measurements

Aseptic Technique

## Course Modifications

Staining  
Motility  
Pure Culture Techniques  
Physiological Characteristics  
Gram-positive Cocci  
Gram-negative Rods  
Effects of Oxygen  
Antimicrobial Sensitivity Testing  
Effectiveness of Hand Scrubbing  
Water Quality  
Effects of Temperature  
Unknowns Analysis  
Effects of UV Light

### Topical course outline, proposed:

Lab Safety  
Microscopy  
Measurements  
Aseptic Technique  
Staining  
Motility  
Pure Culture Techniques  
Physiological Characteristics  
Gram-positive Cocci  
Gram-negative Rods  
Antimicrobial Sensitivity Testing  
Effectiveness of Hand Scrubbing  
Water Quality  
Effects of UV Light

### Student Learning Outcomes, current:

#### Content Criteria

Students should be able to:

1. Perform hands-on activities with demonstration and simulation components playing a secondary role.
2. Engage in inquiry-based activities.
3. Demonstrate the ability to use the scientific method.
4. Obtain and interpret data, and communicate the results of inquiry.
5. Demonstrate proper technique and safe practices.

#### Competency Criteria

##### Inquiry & Analysis Specific Learning Outcomes

Students should be able to:

1. Select or Develop a Design Process
  - a. Select or develop elements of the methodology or theoretical framework to solve problems in a given discipline.
2. Analyze and Interpret Evidence
  - a. Examine evidence to identify patterns, differences, similarities, limitations, and/or implications related to the focus.
  - b. Utilize multiple representations to interpret the data.
3. Draw conclusions
  - a. State a conclusion based on findings.

##### Quantitative Literacy Specific Learning Outcomes

Students should be able to:

1. Interpret information

## Course Modifications

- a. Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words).
- b. Convert information into and between various mathematical forms (e.g., equations, graphs, diagrams, tables, words).

### Student Learning Outcomes, proposed:

#### Content Criteria

Students should be able to:

1. Perform hands-on activities with demonstration and simulation components playing a secondary role.
2. Engage in inquiry-based activities.
3. Demonstrate the ability to use the scientific method.
4. Obtain and interpret data, and communicate the results of inquiry.
5. Demonstrate proper technique and safe practices.

#### Competency Criteria

##### Inquiry & Analysis Specific Learning Outcomes

Students should be able to:

1. Select or Develop a Design Process
  - a. Select or develop elements of the methodology or theoretical framework to solve problems in a given discipline.
2. Analyze and Interpret Evidence
  - a. Examine evidence to identify patterns, differences, similarities, limitations, and/or implications related to the focus.
  - b. Utilize multiple representations to interpret the data.
3. Draw conclusions
  - a. State a conclusion based on findings.

##### Quantitative Literacy Specific Learning Outcomes

Students should be able to:

1. Interpret information
  - a. Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words).
  - b. Convert information into and between various mathematical forms (e.g., equations, graphs, diagrams, tables, words).

### Discussions with affected departments:

Health Sciences - 1/24/18 (Sandie Nadelson), agreed

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Proposed by: C. McVean Waring

Expected Implementation: Fall 2018

## Course Modifications

### BIOL 341

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	BIOL	
Course No.:	341	
Credit Hours:	3	
Course Title:	General Physiology	
Times for Credit:	1	1
Prerequisites:		

Current: BIOL 105 or BIOL 209

Proposed: BIOL 105 or Biol 209 and junior or senior standing.

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☒

Biology BS, Biological Sciences-Biology: 3410

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

Kinesiology BS, Exercise Science: 3138

#### Justification:

General physiology is designed to be taught at a degree of difficulty consistent with junior and senior level experience. For instance, there is scientific writing, statistics, experimental design and independent thought required in BIOL 341 that the juniors and seniors struggle with. Experience with freshman and sophomore success in other classes generates concerns about the level of maturity, general experience in science, and time management skills a 300 level course of this nature demands.

#### Discussions with affected departments:

I have discussed (via email) this change with the department head of the Kinesiology department, Dr. Jeremy Hawkins. On 1/16/18, he stated that he had consulted other faculty in the department and that they did not have an issue with the change.

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Proposed by: P. Hampton

Expected Implementation: Fall 2018



## Course Modifications

### BIOL 341L

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	BIOL	
Course No.:	341L	
Credit Hours:	1	
Course Title:	General Physiology Laboratory	
Times for Credit:	1	1
Prerequisites:		

Current: BIOL 105 or BIOL 209

Proposed: BIOL 105 or Biol 209 and junior or senior standing.

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☒

Biology BS, Biological Sciences-Biology: 3410

Biology BS, Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

Kinesiology BS, Exercise Science: 3138

#### Justification:

General physiology is designed to be taught at a degree of difficulty consistent with junior and senior level experience. For instance, there is scientific writing, statistics, experimental design and independent thought required in BIOL 341 that the juniors and seniors struggle with. Experience with freshman and sophomore success in other classes generates concerns about the level of maturity, general experience in science, and time management skills a 300 level course of this nature demands.

#### Discussions with affected departments:

I have discussed (via email) this change with the department head of the Kinesiology department, Dr. Jeremy Hawkins. On 1/16/18, he stated that he had consulted other faculty in the department and that they did not have an issue with the change.

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Proposed by: P. Hampton

Expected Implementation: Fall 2018

## Course Modifications

### BIOL 412

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	BIOL	
Course No.:	412	
Credit Hours:	3	
Course Title:	Ornithology	
Times for Credit:	1	1
Prerequisites:		

Current: Upper-division standing or consent of instructor

Proposed: BIOL 208 and junior or senior standing or consent of instructor

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☒ No ☐

Biology BS, Biological Sciences-Biology: 3410

Biology BS, Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

#### Justification:

Under the current prerequisites, students may enroll in the course without any understanding/experience with ecology or evolution. Both ecology and evolution are topics that serve as a foundation for ornithology. Incidentally, the course loses time explaining principles and definitions that should be understood prior to enrollment in ornithology so that focus can remain on the taxon specific examples of ecology and evolution in birds

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Proposed by: P. Hampton

Expected Implementation: Fall 2018

## Course Modifications

### BIOL 412L

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	BIOL	
Course No.:	412L	
Credit Hours:	1	
Course Title:	Ornithology Laboratory	
Times for Credit:	1	1
Prerequisites:		

Current: Upper-division standing or consent of instructor

Proposed: BIOL 208 and junior or senior standing or consent of instructor

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☒ No ☐

Biology BS, Biological Sciences-Biology: 3410

Biology BS, Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

#### Justification:

Under the current prerequisites, students may enroll in the course without any understanding/experience with ecology or evolution. Both ecology and evolution are topics that serve as a foundation for ornithology. Incidentally, the course loses time explaining principles and definitions that should be understood prior to enrollment in ornithology so that focus can remain on the taxon specific examples of ecology and evolution in birds

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Proposed by: P. Hampton

Expected Implementation: Fall 2018

## Course Modifications

### BIOL 413

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	BIOL	
Course No.:	413	
Credit Hours:	3	
Course Title:	Herpetology	
Times for Credit:	1	1
Prerequisites:		

Current: upper division standing or consent of instructor

Proposed: BIOL 208 and junior or senior standing or consent of instructor

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☒

Biology BS, Biological Sciences-Biology: 3410

Biology BS, Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

#### Justification:

Under the current prerequisites, students may enroll in the course without any understanding/experience with ecology or evolution. Both ecology and evolution are topics that serve as a foundation for herpetology. Incidentally, the course loses time explaining principles and definitions that should be understood prior to enrollment in herpetology so that focus can remain on the taxon specific examples of ecology and evolution in amphibians and reptiles.

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Proposed by: P. Hampton

Expected Implementation: Fall 2018

## Course Modifications

### BIOL 413L

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	BIOL	
Course No.:	413L	
Credit Hours:	1	
Course Title:	Herpetology Laboratory	
Times for Credit:	1	1
Prerequisites:		

Current: upper division standing or consent of instructor

Proposed: BIOL 208 and junior or senior standing or consent of instructor

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☒

Biology BS, Biological Sciences-Biology: 3410

Biology BS, Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414

Biology BS, Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

#### Justification:

Under the current prerequisites, students may enroll in the course without any understanding/experience with ecology or evolution. Both ecology and evolution are topics that serve as a foundation for herpetology. Incidentally, the course loses time explaining principles and definitions that should be understood prior to enrollment in herpetology so that focus can remain on the taxon specific examples of ecology and evolution in amphibians and reptiles.

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Proposed by: P. Hampton

Expected Implementation: Fall 2018

## Program Modification

### Biological Sciences-Biology: 3410

Degree Type: BS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

- 1) Change credit hours for Biology "category" course option (restricted elective) BIOL 250L Introduction to Microbiology Laboratory from 2 credit hours to 1 credit hour.
- 2) Remove major requirement that a 2.5 GPA is required in the major courses.

Justification:

- 1) The BIOL 250/L lecture-lab combination is proposed to change from 5 credit hours to 4 credit hours in order to align better with the CMU Essential Learning requirements and the GT Pathways program.
- 2) The 2.5 GPA required in major courses is inconsistent with the following requirement, that students are required to have a "C" or better in major courses. A "C" average is only a 2.0 GPA. The two nonequivalent requirements are confusing to students, and is inaccurate. A student may make a "C" in all majors courses, but to meet the 2.5 GPA, they actually would need more than a "C" in a portion of their coursework.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

#### Discussions with affected departments:

The department voted yes on the proposal to remove the 2.5 GPA requirement during a department meeting on 1/18/18. After discussion, the department agreed that the requirement of a "C" or better in one part of the program sheet was contradicted by the 2.5 GPA, which would require more than a "C" in a portion of their coursework.

Proposed by: C. McVean Waring

Director of Teacher Education Signature: N/A

Expected Implementation: Fall 2018

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## **2018-2019 PROGRAM REQUIREMENTS**

**Degree: Bachelor of Science**

**Major: Biological Sciences**

**Concentration: Biology**

### **About This Major . . .**

The Bachelor of Science degree with a Biological Science major provides a broad background in the biological sciences. Students choose biology courses from four areas: cell, developmental, and molecular biology; anatomical and physiological biology; organismal biology; and ecology, evolution, and systematics. Students wishing to obtain teacher certification complete a concentration in Teacher Licensure. The Biology Concentration also offers field courses on tropical ecosystems in Ecuador and on marine invertebrate communities in Oregon. The Department of Biology operates the only electron microscope facility in the area. Graduates of our program pursue careers in the medical field, plant pathology, wildlife biology, cell biology or biotechnology, among just a few of the career options available with a Biology degree from Colorado Mesa University.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Demonstrate a breadth of knowledge in the life sciences with an accompanying depth of knowledge particularly in the key areas of cell and molecular biology, organismal diversity, ecology, evolution and genetics. (Specialized Knowledge)
2. Utilize the scientific approach to address novel questions and problems through the development of hypotheses, design of experiments, collection of data, analysis of data, and interpretation of results. (Quantitative Fluency/Applied Learning)
3. Identify, examine, evaluate and discuss the scientific literature. (Critical Thinking)
4. Articulate biological principles and ideas effectively, both in written and oral form. (Communication Fluency)

### **Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

## **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

## **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- ~~A 2.5 GPA is required in the major courses.~~
- A "C" or higher is required in all major courses and Foundation courses.
- Foundation courses should be completed by the end of the sophomore year.
- Topics courses (BIOL 196/296/396/496) may not be used as Additional Biology Courses but must be used for elective credit.



### **ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)**

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 113 - College Algebra (4) or higher  
3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit.  
\*Professional schools (medical, veterinary, dental) may require one or two semesters of calculus. MATH 151 and MATH 152 will fulfill the Mathematics requirement.

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (17 semester hours, must pass all courses with a grade of “C” or higher)

- ☐ BIOL 105 - Attributes of Living Systems (3)
- ☐ BIOL 105L - Attributes of Living Systems Laboratory (1)
- ☐ CHEM 131 - General Chemistry I (4)\*
- ☐ CHEM 131L - General Chemistry I Lab (1)\*
- ☐ CHEM 132 - General Chemistry II (4)\*
- ☐ CHEM 132L - General Chemistry II Lab (1)\*
- ☐ One of the following courses:
  - STAT 200 - Probability and Statistics (3)
  - MATH 146 - Calculus for Biological Sciences (5)\*\*

\* A higher-level subject may be taken in the same category with advisor approval.

\*\* If MATH 146 is taken, 3 credits apply to Foundation and 2 credits apply to electives.

**BS, BIOLOGICAL SCIENCES, BIOLOGY REQUIREMENTS** (48 semester hours, must pass all courses with a grade of “C” or higher)

**Core** (10 semester hours)

- ☐ BIOL 208 - Ecology and Evolution (3)
- ☐ BIOL 208L - Ecology and Evolution Laboratory (1)
- ☐ BIOL 301 - Principles of Genetics (3)
- ☐ BIOL 301L - Principles of Genetics Laboratory (1)
- ☐ BIOL 483 - Senior Thesis (2)

**Required Related Study Area** (18 semester hours)

- ☐ BIOL 106 - Principles of Animal Biology (3)
- ☐ BIOL 106L - Principles of Animal Biology Laboratory (1)
- ☐ BIOL 107 - Principles of Plant Biology (3)
- ☐ BIOL 107L - Principles of Plant Biology Laboratory (1)
- ☐ PHYS 111 - General Physics (4)\*
- ☐ PHYS 111L - General Physics Laboratory (1)\*
- ☐ PHYS 112 - General Physics II (4)\*
- ☐ PHYS 112L - General Physics II Laboratory (1)\*

\* A higher-level subject may be taken in the same category with advisor approval.

**Additional Biology Courses** (20 semester hours)

Select 20 semester hours from at least three of the following four categories. At least 50% must be at the 300-Level or above. At least one of the following must be included: BIOL 302, BIOL 341/341L, or BIOL 421/421L.

Category 1: Cellular, Developmental, and Molecular

- BIOL 302 - Cellular Biology (3)
- BIOL 310/310L - Developmental Biology and Laboratory (5)
- BIOL 343 - Immunology (3)
- BIOL 344/344L - Forensic Molecular Biology and Laboratory (4)
- BIOL 371L - Laboratory Investigations in Cellular and Molecular Biology (3)
- BIOL 425 - Molecular Genetics (3)
- BIOL 442 - Pharmacology (3)
- CHEM 315/315L - Biochemistry I and Laboratory (4)

Category 2: Organismal

- BIOL 250/250L - Intro to Microbiology and Laboratory (5)
- BIOL 316/316L - Animal Behavior and Laboratory (4)
- BIOL 322/322L - Plant Identification and Laboratory (4)
- BIOL 331/331L - Insect Biology and Laboratory (5)
- BIOL 333 - Marine Biology (3)
- BIOL 335/335L - Invertebrate Zoology and Laboratory (4)
- BIOL 336/336L - Fish Biology and Laboratory (4)
- BIOL 350/350L - Microbiology and Laboratory (4)
- BIOL 411/411L - Mammalogy and Laboratory (4)
- BIOL 412/412L - Ornithology and Laboratory (4)
- BIOL 413/413L - Herpetology and Laboratory (4)
- BIOL 431/431L - Animal Parasitology and Laboratory (4)
- BIOL 433 - Marine Invertebrate Communities (3)
- BIOL 450/450L - Mycology and Laboratory (5)

Category 3: Anatomical and Physiological

- BIOL 209/209L - Human Anatomy & Physiology I and Laboratory (4)
- BIOL 210/210L - Human Anatomy & Physiology II and Laboratory (4)
- BIOL 241 - Pathophysiology (4)
- BIOL 341/341L - General Physiology and Laboratory (4)

BIOL 342/342L - Histology and Laboratory (4)  
 BIOL 409/409L - Gross and Developmental Human Anatomy and Laboratory (4)  
 BIOL 410/410L - Human Osteology and Laboratory (4)  
 BIOL 421/421L - Plant Physiology and Laboratory (4)  
 BIOL 423/423L - Plant Anatomy and Laboratory (5)  
 BIOL 426/426L - Intro to Electron Microscopy and Laboratory (4)  
 BIOL 441 - Endocrinology (3)

Category 4: Ecology, Evolution, and Systematics

BIOL 211/211L - Ecosystem Biology and Laboratory (5)  
 BIOL 315 - Epidemiology (3)  
 BIOL 320 - Plant Systematics (3)  
 BIOL 321/321L - Taxonomy of Grasses and Laboratory (4)  
 BIOL 403 - Evolution (3)  
 BIOL 405/405L - Adv. Ecological Methods and Laboratory (5)  
 BIOL 406 - Plant-Animal Interactions (3)  
 BIOL 407 - Tropical Field Biology (3-5)  
 BIOL 408 - Desert Ecology (3)  
 BIOL 414/414L - Aquatic Biology and Laboratory (4)  
 BIOL 415 - Tropical Ecosystems (2)  
 BIOL 418/418L - Wildlife Management and Laboratory (5)

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**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours, including 40 upper-division credit hours. 18 semester hours; up to 24 hours of upper-division may be needed. It is strongly recommended that all electives be upper-division. Professional schools (medical, veterinary, dental) may require one or two semesters of organic chemistry, which may be taken to fulfill part of electives.)

☐ MATH 113 - College Algebra (1)  
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**Freshman Year, Fall Semester: 15 credits**

- BIOL 105 - Attributes of Living Systems (3) and BIOL 105L - Attributes of Living Systems Laboratory (1)
- CHEM 131 - General Chemistry I (4) and CHEM 131L - General Chemistry I Laboratory (1)
- MATH 113 - College Algebra (4)
- KINE 100 - Health and Wellness (1)
- KINA Activity (1)

**Freshman Year, Spring Semester: 17 credits**

- BIOL 106 - Principles of Animal Biology (3) and BIOL 106L - Principles of Animal Biology Laboratory (1)
  - CHEM 132 - General Chemistry II (4) and CHEM 132L - General Chemistry II Laboratory (1)
  - STAT 200 - Probability and Statistics (3) or MATH 146 - Calculus for Biological Sciences (5)
  - Essential Learning - Fine Arts (3)
- 

**Sophomore Year, Fall Semester: 15 credits**

- BIOL 107 - Principles of Plant Biology (3) and BIOL 107L - Principles of Plant Biology Laboratory (1)
- PHYS 111 - General Physics (4) and PHYS 111L - General Physics Laboratory (1)
- ENGL 111 - English Composition (3)
- Essential Learning - Social and Behavioral Sciences (3)

**Sophomore Year, Spring Semester: 15 credits**

- BIOL 208 - Ecology and Evolution (3) or BIOL 208L - Ecology and Evolution Laboratory (1)
  - PHYS 112 - General Physics II (4) and PHYS 112L - General Physics II Laboratory (1)
  - ENGL 112 - English Composition (3)
  - Essential Learning - History (3)
- 

**Junior Year, Fall Semester: 15 credits**

- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- BIOL 301 - Principles of Genetics (3) or BIOL 301L - Principles of Genetics Laboratory (1)
- Additional Biology Courses (2 courses) (7)

**Junior Year, Spring Semester: 16 credits**

- Essential Learning - Social and Behavioral Sciences (3)
  - Essential Learning - Humanities (3)
  - Additional Biology Courses (2 courses) (7)
  - Elective (3)
- 

**Senior Year, Fall Semester: 15 credits**

- Essential Learning - Natural Science (3)
- Additional Biology Courses (2 courses) (6)
- Electives (2 courses) (6)

**Senior Year, Spring Semester: 12-14 credits**

- BIOL 483 - Senior Thesis (2)
  - Essential Learning - Natural Science with Lab (4)
  - Electives (2-3 courses) (6-8)
-

## Program Modification

### Biological Sciences-Cellular, Molecular, and Developmental Biology: 3414

Degree Type: BS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

- 1) Change credit hours for Biology "category" course option (restricted elective) BIOL 250L Introduction to Microbiology Laboratory from 2 credit hours to 1 credit hour.
- 2) Remove major requirement that a 2.5 GPA is required in the major courses.

Justification:

- 1) The BIOL 250/L lecture-lab combination is proposed to change from 5 credit hours to 4 credit hours in order to align better with the CMU Essential Learning requirements and the GT Pathways program.
- 2) The 2.5 GPA required in major courses is inconsistent with the following requirement, that students are required to have a "C" or better in major courses. A "C" average is only a 2.0 GPA. The two nonequivalent requirements are confusing to students, and is inaccurate. A student may make a "C" in all majors courses, but to meet the 2.5 GPA, they actually would need more than a "C" in a portion of their coursework.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

#### Discussions with affected departments:

The department voted yes on the proposal to remove the 2.5 GPA requirement during a department meeting on 1/18/18. After discussion, the department agreed that the requirement of a "C" or better in one part of the program sheet was contradicted by the 2.5 GPA, which would require more than a "C" in a portion of their coursework.

Proposed by: C. McVean Waring

Director of Teacher Education Signature: N/A

Expected Implementation: Fall 2018

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## 2017-2018 PROGRAM REQUIREMENTS

**Degree: Bachelor of Science**

**Major: Biological Sciences**

**Concentration: Cellular, Molecular, and Developmental Biology**

### About This Major . . .

The Bachelor of Science degree with a Biological Sciences major provides a broad background in the biological sciences. Students choose biology courses from four categories: cellular, molecular, and developmental biology; anatomical and physiological biology; organismal biology; and ecology, evolution, and systematics. The Cellular, Molecular, and Developmental Biology Concentration will provide a solid background in cell and molecular biology, genetics, and biochemistry. The concentration prepares graduates of this program for careers in the medical field, cell biology, and biotechnology, which are just a few of the career options available.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Demonstrate a breadth of knowledge in the life sciences with an accompanying depth of knowledge particularly in the key areas of cell and molecular biology, ecology, evolution, and genetics. (Specialized Knowledge)
2. Utilize the scientific approach to address novel questions and problems through the development of hypotheses, design of experiments, collection of data, analysis of data, and interpretation of results. (Quantitative Fluency/Applied Learning)
3. Identify, examine, evaluate, and discuss the scientific literature. (Critical Thinking)
4. Articulate biological principles and ideas effectively, both in written and oral form. (Communication Fluency)

### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

## **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

## **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- ~~A 2.5 GPA is required in the major courses.~~
- A "C" or higher is required in all major courses and Foundation courses.
- Foundation courses should be completed by the end of the sophomore year.
- Topics courses (BIOL 196/296/396/496) as well as research courses (BIOL 387/487), internships (BIOL 499), teaching practicum (BIOL 493), and independent study (BIOL 495) may not be used as Additional Biology Courses but must be used for elective credit.

### **ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)**

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 151 - Calculus I (5)
- 3 credits apply to the Essential Learning requirements and 2 credits apply to elective credit.

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

CHEM 131/131L and CHEM 132/132L are recommended. Both are prerequisites for upper level chemistry. If chosen, 7 credits apply to the Essential Learning requirement and 3 credits apply to electives.

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (17-19 semester hours, must pass all courses with a grade of “C” or higher)

- ☐ BIOL 105 - Attributes of Living Systems (3)
- ☐ BIOL 105L - Attributes of Living Systems Laboratory (1)
- ☐ PHYS 111 - General Physics I (4)\*
- ☐ PHYS 111L - General Physics I Laboratory (1)\*
- ☐ PHYS 112 - General Physics II (4)\*
- ☐ PHYS 112L - General Physics II Laboratory (1)\*
- ☐ One of the following courses:
  - STAT 200 - Probability and Statistics (3)
  - MATH 152 - Calculus II (5)

\* A higher-level subject can be taken in the same category with advisor approval.



**BS, BIOLOGICAL SCIENCES, CELLULAR, MOLECULAR, AND DEVELOPMENTAL BIOLOGY REQUIREMENTS** (53 semester hours, must pass all courses with a grade of “C” or higher)

**Core** (10 semester hours)

- ☐ BIOL 208 - Fundamentals of Ecology and Evolution (3)
- ☐ BIOL 208L - Fundamentals of Ecology and Evolution Laboratory (1)
- ☐ BIOL 301 - Principles of Genetics (3)
- ☐ BIOL 301L - Principles of Genetics Laboratory (1)
- ☐ BIOL 483 - Senior Thesis (2)

**Required Related Study Area** (31 semester hours)

- ☐ One of the following courses with laboratory:
  - BIOL 102 - Plant & Animal Diversity (3) and BIOL 102L - Plant & Animal Diversity Laboratory (1)
  - BIOL 108 - Diversity of Organisms (3) and BIOL 108L - Diversity of Organisms Laboratory (1)
- ☐ BIOL 302 - Cellular Biology (3)
- ☐ BIOL 310 - Developmental Biology (3)
- ☐ BIOL 310L - Developmental Biology Laboratory (2)
- ☐ BIOL 371L - Laboratory Investigations in Cellular and Molecular Biology (3)
- ☐ CHEM 315 - Biochemistry I (3)
- ☐ BIOL 425 - Molecular Genetics (3)
- ☐ CHEM 311 - Organic Chemistry I (4)\*
- ☐ CHEM 311L - Organic Chemistry I Laboratory (1)\*
- ☐ CHEM 312 - Organic Chemistry II (4)\*
- ☐ CHEM 312L - Organic Chemistry II Laboratory (1)\*

\* CHEM 311/311L and CHEM 312/312L require CHEM 131/131L and CHEM 132/132L as prerequisites. Students should take CHEM 131/131L and CHEM 132/132L for Essential Learning Natural Sciences.

**Additional Biology Courses** (12 semester hours)

Select 12 semester hours from the following lists.

Category 1: Cellular, Developmental, and Molecular

- BIOL 343 - Immunology (3)
- BIOL 344/344L - Forensic Molecular Biology and Laboratory (4)
- BIOL 442 - Pharmacology (3)
- CHEM 315L - Biochemistry I Laboratory (1)
- CHEM 316 - Biochemistry II (3)

Category 2: Organismal

- BIOL 250/250L - Intro to Microbiology and Laboratory (54)
- BIOL 316/316L - Animal Behavior and Laboratory (4)
- BIOL 322/322L - Plant Identification and Laboratory (4)
- BIOL 331/331L - Insect Biology and Laboratory (5)
- BIOL 333 - Marine Biology (3)
- BIOL 335/335L - Invertebrate Zoology and Laboratory (4)
- BIOL 336/336L - Fish Biology and Laboratory (4)
- BIOL 350/350L - Microbiology and Laboratory (4)
- BIOL 411/411L - Mammalogy and Laboratory (4)
- BIOL 412/412L - Ornithology and Laboratory (4)
- BIOL 413/413L - Herpetology and Laboratory (4)
- BIOL 431/431L - Animal Parasitology and Laboratory (4)
- BIOL 433 - Marine Invertebrate Communities (3)
- BIOL 450/450L - Mycology and Laboratory (5)

Category 3: Anatomical and Physiological

- BIOL 209/209L - Human Anatomy & Physiology I and Laboratory (4)
- BIOL 210/210L - Human Anatomy & Physiology II and Laboratory (4)
- BIOL 241 - Pathophysiology (4)

BIOL 341/341L - General Physiology and Laboratory (4)  
 BIOL 342/342L - Histology and Laboratory (4)  
 BIOL 409/409L - Gross and Developmental Human Anatomy and Laboratory (4)  
 BIOL 410/410L - Human Osteology and Laboratory (4)  
 BIOL 421/421L - Plant Physiology and Laboratory (4)  
 BIOL 423/423L - Plant Anatomy and Laboratory (5)  
 BIOL 426/426L - Intro to Electron Microscopy and Laboratory (4)  
 BIOL 441 - Endocrinology (3)

Category 4: Ecology, Evolution, and Systematics

BIOL 211/211L - Ecosystem Biology and Laboratory (5)  
 BIOL 315 - Epidemiology (3)  
 BIOL 320 - Plant Systematics (3)  
 BIOL 321/321L - Taxonomy of Grasses and Laboratory (4)  
 BIOL 403 - Evolution (3)  
 BIOL 405/405L - Advanced Ecological Methods and Laboratory (5)  
 BIOL 406 - Plant-Animal Interactions (3)  
 BIOL 407 - Tropical Field Biology (3-5)  
 BIOL 408 - Desert Ecology (3)  
 BIOL 414/414L - Aquatic Biology and Laboratory (4)  
 BIOL 415 - Tropical Ecosystems (2)  
 BIOL 418/418L - Wildlife Management and Laboratory (5)

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**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours, including 40 upper-division hours. 11-13 semester hours; up to 7 hours of upper division may be needed.

Research courses are recommended.)

☐ MATH 151 - Calculus I (2)  
☐ CHEM 131/131L/132/132L (3)  
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## SUGGESTED COURSE SEQUENCING

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### Freshman Year, Fall Semester: 15 credits

- BIOL 105 - Attributes of Living Systems (3) and BIOL 105L - Attributes of Living Systems Laboratory (1)
- CHEM 131 - General Chemistry (4) and CHEM 131L - General Chemistry Laboratory (1)
- MATH 151 - Calculus I (5)
- KINE 100 - Health and Wellness (1)

### Freshman Year, Spring Semester: 17 credits

- BIOL 102 - Plant and Animal Biodiversity (3) and BIOL 102L - Plant and Animal Biodiversity Laboratory (1) OR BIOL 108 - Diversity of Organisms (3) and BIOL 108L - Diversity of Organisms Laboratory (1)
  - CHEM 132 - General Chemistry II (4) and CHEM 132L - General Chemistry II Laboratory (1)
  - STAT 200 - Probability and Statistics (3) or MATH 152 - Calculus II (5)
  - ENGL 111 - English Composition (3)
- 

### Sophomore Year, Fall Semester: 15 credits

- BIOL 208 - Ecology and Evolution (3) or BIOL 208L - Ecology and Evolution Laboratory (1)
- CHEM 311 - Organic Chemistry I (4) and CHEM 311L - Organic Chemistry I Laboratory (1)
- ENGL 112 - English Composition (3)
- Essential Learning - Social and Behavioral Sciences (3)

### Sophomore Year, Spring Semester: 15 credits

- BIOL 301 - Principles of Genetics (3) and BIOL 301L - Principles of Genetics Laboratory (1)
  - CHEM 312 - Organic Chemistry II (4) and CHEM 312L - Organic Chemistry II Laboratory (1)
  - Essential Learning - History (3)
  - Essential Learning - Humanities (3)
- 

### Junior Year, Fall Semester: 15 credits

- BIOL 302 - Cellular Biology (3)
- PHYS 111 - General Physics (4) and PHYS 111L - General Physics Laboratory (1)
- CHEM 315 - Biochemistry I (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)

### Junior Year, Spring Semester: 14 credits

- BIOL 310 - Developmental Biology (3) and BIOL 310L - Developmental Biology Laboratory (2)
  - PHYS 112 - General Physics II (4) and PHYS 112L - General Physics II Laboratory (1)
  - Essential Learning - Social and Behavioral Sciences (3)
  - KINA Activity (1)
- 

### Senior Year, Fall Semester: 15 credits

- BIOL 371L - Laboratory Investigations in Cellular and Molecular Biology (3)
- Essential Learning - Fine Arts (3)
- Additional Biology Course (4)
- Electives (2 courses) (5)

### Senior Year, Spring Semester: 14-16 credits

- BIOL 425 - Molecular Genetics (3)
  - BIOL 483 - Senior Thesis (2)
  - Additional Biology Courses (8)
  - Elective (1-3)
-

## Program Modification

### Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

Degree Type: BS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

- 1) Change credit hours for Biology "category" course option (restricted elective) BIOL 250L Introduction to Microbiology Laboratory from 2 credit hours to 1 credit hour.
- 2) Remove major requirement that a 2.5 GPA is required in the major courses.

Justification:

- 1) The BIOL 250/L lecture-lab combination is proposed to change from 5 credit hours to 4 credit hours in order to align better with the CMU Essential Learning requirements and the GT Pathways program.
- 2) The 2.5 GPA required in major courses is inconsistent with the following requirement, that students are required to have a "C" or better in major courses. A "C" average is only a 2.0 GPA. The two nonequivalent requirements are confusing to students, and is inaccurate. A student may make a "C" in all majors courses, but to meet the 2.5 GPA, they actually would need more than a "C" in a portion of their coursework.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

#### Discussions with affected departments:

The department voted yes on the proposal to remove the 2.5 GPA requirement during a department meeting on 1/18/18. After discussion, the department agreed that the requirement of a "C" or better in one part of the program sheet was contradicted by the 2.5 GPA, which would require more than a "C" in a portion of their coursework.

Proposed by: C. McVean Waring

Director of Teacher Education Signature: N/A

Expected Implementation: Fall 2018

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## 2017-2018 PROGRAM REQUIREMENTS

**Degree: Bachelor of Science**

**Major: Biological Sciences**

**Concentration: Ecology, Evolution, and Organismal Biology**

### About This Major . . .

The Bachelor of Science degree with a Biological Sciences major provides a broad background in the biological sciences. Students choose biology courses from four categories: cellular, molecular, and developmental biology; anatomical and physiological biology; organismal biology; and ecology, evolution, and systematics. The Ecology, Evolution, and Organismal Biology Concentration will provide a solid background in ecology and evolution, and offers field courses in a variety of areas, in addition to internships and research opportunities. Graduates of this program may pursue careers in ecology, plant biology, fish and wildlife biology, and evolutionary biology, which are just a few of the career options available.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Demonstrate a breadth of knowledge in the life sciences with an accompanying depth of knowledge particularly in the key areas of organismal diversity, ecology, evolution, and genetics. (Specialized Knowledge)
2. Utilize the scientific approach to address novel questions and problems through the development of hypotheses, design of experiments, collection of data, analysis of data, and interpretation of results. (Quantitative Fluency/Applied Learning)
3. Identify, examine, evaluate, and discuss the scientific literature. (Critical Thinking)
4. Articulate biological principles and ideas effectively, both in written and oral form. (Communication Fluency)

### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
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- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

## **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

## **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- ~~A 2.5 GPA is required in the major courses.~~
- A "C" or higher is required in all major courses and Foundation courses.
- Foundation courses should be completed by the end of the sophomore year.
- Topics courses (BIOL 196/296/396/496) as well as research courses (BIOL 387/487), internships (BIOL 499), teaching practicums (BIOL 493), and independent study (BIOL 495) may not be used as Additional Biology Courses but must be used for elective credit.

### **ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)**

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 113 - College Algebra (3) or higher  
3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit.

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)  
PHYS 112/112L is typically required for admission to graduate schools. If chosen, 4 credits apply to the Essential Learning requirement and 1 credit applies to elective credit.

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (17-19 semester hours, must pass all courses with a grade of “C” or higher)

- ☐ BIOL 105 - Attributes of Living Systems (3)
- ☐ BIOL 105L - Attributes of Living Systems Laboratory (1)
- ☐ CHEM 131 - General Chemistry I (4)\*
- ☐ CHEM 131L - General Chemistry I Laboratory (1)\*
- ☐ CHEM 132 - General Chemistry II (4)\*
- ☐ CHEM 132L - General Chemistry II Laboratory (1)\*
- ☐ One of the following courses:  
STAT 200 - Probability and Statistics (3)\*\*  
MATH 151 - Calculus I (5)\*\*

\* A higher-level subject may be taken in the same category with advisor approval. Organic Chemistry may be required for admission to some graduate programs.

\*\* Statistics and Calculus may be required for admission to some graduate programs.

**BS, BIOLOGICAL SCIENCES, ECOLOGY, EVOLUTION, AND ORGANISMAL BIOLOGY REQUIREMENTS** (51 semester hours, must pass all courses with a grade of “C” or higher)

**Core** (10 semester hours)

- ☐ BIOL 208 - Fundamentals of Ecology and Evolution (3)
- ☐ BIOL 208L - Fundamentals of Ecology and Evolution Laboratory (1)
- ☐ BIOL 301 - Principles of Genetics (3)
- ☐ BIOL 301L - Principles of Genetics Laboratory (1)
- ☐ BIOL 483 - Senior Thesis (2)

**Required Related Study Area** (21 semester hours)

- ☐ PHYS 111 - General Physics (4)
- ☐ PHYS 111L - General Physics Laboratory (1)
- ☐ BIOL 106 - Principles of Animal Biology (3)
- ☐ BIOL 106L - Principles of Animal Biology Laboratory (1)
- ☐ BIOL 107 - Principles of Plant Biology (3)
- ☐ BIOL 107L - Principles of Plant Biology Laboratory (1)
- ☐ BIOL 403 - Evolution (3)
- ☐ BIOL 405 - Advanced Ecological Methods (3)
- ☐ BIOL 405L - Advanced Ecological Methods Laboratory (2)

**Additional Biology Courses** (20 semester hours)

Select 20 semester hours, chosen from the lists below. At least 16 hours must be 300-level or above.

Category 1: Cellular, Developmental, and Molecular

- BIOL 302 - Cellular Biology (3)
- BIOL 310/310L - Developmental Biology and Laboratory (5)
- BIOL 343 - Immunology (3)
- BIOL 344/344L - Forensic Molecular Biology and Laboratory (4)
- BIOL 371L - Laboratory Investigations in Cellular and Molecular Biology (3)
- BIOL 425 - Molecular Genetics (3)
- BIOL 442 - Pharmacology (3)
- CHEM 315/315L - Biochemistry I and Laboratory (4)
- CHEM 316 - Biochemistry II (3)

Category 2: Organismal

- BIOL 250/250L - Intro to Microbiology and Laboratory (5~~4~~)
- BIOL 316/316L - Animal Behavior and Laboratory (4)
- BIOL 322/322L - Plant Identification and Laboratory (4)
- BIOL 331/331L - Insect Biology and Laboratory (5)
- BIOL 333 - Marine Biology (3)
- BIOL 335/335L - Invertebrate Zoology and Laboratory (4)
- BIOL 336/336L - Fish Biology and Laboratory (4)
- BIOL 350/350L - Microbiology and Laboratory (4)
- BIOL 411/411L - Mammalogy and Laboratory (4)
- BIOL 412/412L - Ornithology and Laboratory (4)
- BIOL 413/413L - Herpetology and Laboratory (4)
- BIOL 431/431L - Animal Parasitology and Laboratory (4)
- BIOL 433 - Marine Invertebrate Communities (3)
- BIOL 450/450L - Mycology and Laboratory (5)

Category 3: Anatomical and Physiological

- BIOL 209/209L - Human Anatomy & Physiology I and Laboratory (4)
- BIOL 210/210L - Human Anatomy & Physiology II and Laboratory (4)
- BIOL 241 - Pathophysiology (4)
- BIOL 341/341L - General Physiology and Laboratory (4)



BIOL 342/342L - Histology and Laboratory (4)  
 BIOL 409/409L - Gross and Developmental Human Anatomy and Laboratory (4)  
 BIOL 410/410L - Human Osteology and Laboratory (4)  
 BIOL 421/421L - Plant Physiology and Laboratory (4)  
 BIOL 423/423L - Plant Anatomy and Laboratory (5)  
 BIOL 426/426L - Intro to Electron Microscopy and Laboratory (4)  
 BIOL 441 - Endocrinology (3)

Category 4: Ecology, Evolution, and Systematics

BIOL 211/211L - Ecosystem Biology and Laboratory (5)  
 BIOL 315 - Epidemiology (3)  
 BIOL 320 - Plant Systematics (3)  
 BIOL 321/321L - Taxonomy of Grasses and Laboratory (4)  
 BIOL 406 - Plant-Animal Interactions (3)  
 BIOL 407 - Tropical Field Biology (3-5)  
 BIOL 408 - Desert Ecology (3)  
 BIOL 414/414L - Aquatic Biology and Laboratory (4)  
 BIOL 415 - Tropical Ecosystems (2)  
 BIOL 418/418L - Wildlife Management and Laboratory (5)  
 GIST 332/332L - Introduction to GIS and Laboratory (3)  
 GEOL 305 - Cartography for GIS (1)  
 GEOG 131 - Introduction to Cartography (3)

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**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours, including 40 upper-division hours. 13-15 semester hours; up to 10 hours of upper division may be needed. BIOL 499 Internship or research courses are recommended.)

☐ MATH 113 - College Algebra (1)  
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## SUGGESTED COURSE SEQUENCING

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### Freshman Year, Fall Semester: 14 credits

- BIOL 105 - Attributes of Living Systems (3) and BIOL 105L - Attributes of Living Systems Laboratory (1)
- CHEM 131 - General Chemistry I (4) and CHEM 131L - General Chemistry I Laboratory (1)
- MATH 113 - College Algebra (4)
- KINE 100 - Health and Wellness (1)

### Freshman Year, Spring Semester: 15-17 credits

- BIOL 106 - Principles of Animal Biology (3) and BIOL 106L - Principles of Animal Biology Laboratory (1)
  - CHEM 132 - General Chemistry II (4) and CHEM 132L - General Chemistry II Laboratory (1)
  - ENGL 111 - English Composition (3)
  - STAT 200 - Probability and Statistics (3) or MATH 151 - Calculus I (5)
- 

### Sophomore Year, Fall Semester: 15 credits

- BIOL 107 - Principles of Plant Biology (3) and BIOL 107L - Principles of Plant Biology Laboratory (1)
- PHYS 111 - General Physics (4) and PHYS 111L - General Physics Laboratory (1)
- ENGL 112 - English Composition (3)
- Essential Learning - Social and Behavioral Sciences (3)

### Sophomore Year, Spring Semester: 14 credits

- BIOL 208 - Ecology and Evolution (3) and BIOL 208L - Ecology and Evolution Laboratory (1)
  - BIOL 301 - Principles of Genetics (3) and BIOL 301L - Principles of Genetics Laboratory (1)
  - KINA Activity (1)
  - PHYS 112 - General Physics II (4) and PHYS 112L - General Physics II Laboratory (1)
- 

### Junior Year, Fall Semester: 16 credits

- BIOL 403 - Evolution (3)
- Essential Learning - History (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- Additional Biology Courses (6)

### Junior Year, Spring Semester: 15 credits

- BIOL 405 - Advanced Ecological Methods (3) and BIOL 405L - Advanced Ecological Methods Laboratory (2)
  - Essential Learning - Social and Behavioral Sciences (3)
  - Essential Learning - Humanities (3)
  - Electives (4)
- 

### Senior Year, Fall Semester: 16 credits

- Additional Biology Courses (7)
- Essential Learning - Fine Arts (3)
- Essential Learning - Natural Science (3)
- Elective (3)

### Senior Year, Spring Semester: 13-15 credits

- BIOL 483 - Senior Thesis (2)
  - Additional Biology Courses (7)
  - Electives (4-6)
-

## Department: Business - CONM

### Course Additions

CONM 462L

Credit Hours 1

Course Title: Soil and Foundation Construction Laboratory

Abbreviated Title: Soil and Fnd Const Lab

Contact hours per week: Lecture      Lab 2      Field      Studio      Other

Type of Instructional Activity: Laboratory: Academic/Clinical

Academic engagement minutes: 1500      Student preparation minutes: 750

Intended semesters for offering this course: Fall ☐ J-Term ☐ Spring ☒ Summer ☐

Intended semester to offer course 1st time: Spring 2019

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

CONM 362

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☒ No ☐

CONM 462

Requirement or listed choice for any program of study: Yes ☒ No ☐

Business BS, Construction Management: 3180

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☒ No ☐

Soil and Concrete testing equipment is required. The initial lab equipment will be funded through the Construction Management Program Foundation funds.

Additional lab facilities required: Yes ☒ No ☐

WCCC and the Business Department have had discussions that this lab will occupy the space currently designated AEC-B East. The Mechanical Engineering program currently occupies this space, but will be vacated upon the completion of the new Engineering Building on Main Campus.

### Course description for catalog:

Properties of subsurface materials and principles of subsurface construction. Topics include soil classification and testing, soil mechanics, earthmoving operations and foundation systems from a contractor's perspective. Techniques of subsurface investigations and subsequent interpretation of soil reports studied to understand foundation construction methods and related field problems.

### Justification:

1. The pedagogy of the CM Program is to integrate theory with practical application opportunities. A lab component when learning about the characteristics of soils and cementitious materials is a powerful learning method for student to understand major risk factors they will manage as construction professionals.

2. The current program requirements (13 three credit upper division courses---39 credits) requires students to find a one-credit upper division course to meet the minum 40 credit upper division credit requirement for a bachelors degree. Students find this difficult and burdensome, often due to

## Course Additions

prerequisite requirements or courses are three credits, leaving them to pay for two additional credits that are not needed.

### Topical course outline:

1. Aggregates
2. Gradation of Soil
3. Proctor Density Test of Soil
4. Atterberg Limits Test of Soil
5. Cementitious Design Mixes
6. Compressive and Tensile Strength of Concrete
7. Means & Methods of Forming, Reinforcing and Placing (F/R/P) Cast-in-Place Concrete

### Student Learning Outcomes:

1. Recognize the Construction Professional's role in managing quality assurance through third party engineering tests and inspections
2. Describe the difference between the Wet and Dry test samples of soils
3. Duplicate the process, record and evaluate the data of Soil Gradation
4. Duplicate the process, record and evaluate the data of a Proctor Density Test
5. Duplicate the process, record and evaluate the data of an Atterberg Limits Test
6. Explain the characteristics of a "Cementitious Design Mix"
7. Duplicate the process to cast concrete test cylinders
8. Record and evaluate the data from performing PSI break tests of concrete test cylinders
9. Explain the Means & Methods of forming, reinforcing and placing cast-in-place concrete

### Discussions with affected departments:

WCCC - Discussion about location of the Soil and Concrete Testing Lab - AEC-B East will be the dedicated space for the Soil and Concrete Testing Lab; September 1, 2017.

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Proposed by: Troy Miller

Expected Implementation: Fall 2018

## Course Modifications

### CONM 462

Intended semester to offer modified course for the 1st time: Spring 2019

	Current	Proposed
Course Prefix:	CONM	
Course No.:	462	
Credit Hours:	3	
Course Title:	Soil and Foundation Construction	
Times for Credit:	1	1
Co-requisites:		
Current:		
Proposed:	CONM 462L	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Business BS, Construction Management:	3180	
Course is a requirement for a new program:	NA	

#### Justification:

Co-requisite added to require the course to be taken with proposed CONM 462L lab. The pedagogy of the CM Program is to integrate theory with practical application opportunities. A lab component when learning about the characteristics of soils and cementitious materials is a powerful learning method for student to understand major risk factors they will manage as construction professionals.

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Proposed by: Troy Miller

Expected Implementation: Fall 2018

## Course Modifications

### CONM 475

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	CONM	
Course No.:	475	
Credit Hours:	3	
Course Title:	Construction Company and Financial Management	
Times for Credit:	1	1
Prerequisites:		
	Current: CONM 380, FINA 301 and MANG 301	
	Proposed: CONM 380 and FINA 301	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

#### Justification:

MANG 301 is not a program requirement and should not have been listed as a prerequisite

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Proposed by: Troy Miller

Expected Implementation: Fall 2018

## Program Modification

Construction Management: 3180

Degree Type: BS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

1. Add a required one credit upper division lab class (CONM 462L) to program

Justification:

To better meet the SLO's of the program by giving students a better hands on experience in content area;

1. The pedagogy of the CM Program is to integrate theory with practical application opportunities. A lab component when learning about the characteristics of soils and cementitious materials is a powerful learning method for student to understand major risk factors they will manage as construction professionals.

2. The current program sheet requires 13 upper division courses equalling 39 credits, one short of the minimum needed for a bachelors of science degree. Currently students are forced to find a one credit upper division elective which is difficult due to prerequisite requirements or the course is a 3 credit course. The addition of this one credit lab class solves this program sheet deficiency

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

NA

Proposed by: Troy Miller

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Bachelor of Science**  
**Major: Construction Management**

**About This Major . . .**

Construction managers plan, direct, and coordinate a wide variety of construction projects, including the building of all types of residential, commercial and industrial structures, roads, and bridges. They are salaried or self-employed managers who oversee construction supervisors and workers. Construction managers coordinate and supervise the construction process from the conceptual development stage through final construction, insuring the project is completed on time and within budget. They are also responsible for the safety of the work environment. Graduates of the Construction Management program will possess an OSHA 10-hour safety card upon graduation.

Potential majors must be comfortable with mathematics, technical instruction, physical science, computers, and software programs. They should work well under pressure and have good oral and written communication skills. They are managers of processes and people and must excel in both technical and human interaction skills.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply business knowledge and skills in appropriate business contexts and transfer knowledge and skills to new business situations. (Critical Thinking)
2. Produce professional business work products, independently and working as a team. (Applied Learning)
3. Communicate clearly, appropriately, and persuasively to the business audience, both orally and in writing. (Communication Fluency)
4. Integrate knowledge from multiple functional areas of business to solve business problems and to develop sound business strategies. (Specialized Knowledge)
5. Analyze business data critically, reason logically, and apply quantitative analysis methods correctly to develop appropriate business conclusions. (Quantitative Fluency)
6. Properly and appropriately use information systems tools and techniques within functional business areas. (Applied Learning)
7. Identify, formulate, and solve construction related problems by applying mathematics, science, and business principles. (Specialized Knowledge)

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.



### **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the “Intent to Graduate” form to the Registrar’s Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student’s petition for graduation is denied, it will be her/his responsibility to consult the Registrar’s Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- C or higher in coursework toward the major content area.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 113 -College Algebra (4\*) or higher
- \*3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ ECON 201 - Principles of Macroeconomics (3)
- ☐ ECON 202 - Principles of Microeconomics (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ PHYS 111 - General Physics (4)
- \*3 credits apply to Essential Learning requirements and 1 credit applies to elective credit
- ☐ PHYS 111L - General Physics Laboratory (1)
  - ☐ Select one Natural Sciences course (**43**)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (27 semester hours)

- ☐ ACCT 201 - Principles of Financial Accounting (3)
- ☐ STAT 200 - Probability and Statistics (3)
- ☐ MATH 130 - Trigonometry (3)
- ☐ CONC 101 - Construction Safety and Regulations (3)
- ☐ CONC 116 - Building Materials (3)
- ☐ CONC 161 - Building Mechanical and Electrical (3)
- ☐ CONC 208 - Construction Equipment (3)
- ☐ CONC 218 - Surveying (3)
- ☐ CONC 228 - Estimating and Cost Control (3)

**BS, CONSTRUCTION MANAGEMENT REQUIREMENTS** (~~45~~<sup>46</sup> semester hours)

**Required Core Courses** (12 semester hours)

- ☐ BUGB 349 - Legal Environment of Business (3)
- ☐ FINA 301 - Managerial Finance (3)
- ☐ HRMA 371 - Human Resource Management (3)
- ☐ CONM 234 - Graphic Communications for Construction Management (3)

**Required Concentration Courses** (~~33~~<sup>34</sup>~~31~~ semester hours)

- ☐ CONM 181 - Principles of Construction Management (3)
- ☐ CONM 316 - Construction Materials and Methods (3)
- ☐ CONM 340 - Advanced Construction Estimating and Bidding (3)
- ☐ CONM 361 - Advanced MEP Systems (3)
- ☐ CONM 362 - Structural Analysis-Statics/Materials Strength (3)
- ☐ CONM 370 - Managing Safety and the Regulatory Environment (3)
- ☐ CONM 380 - Construction Project Management (3)
- ☐ CONM 462 - Soil and Foundation Construction (3)
- ☐ [CONM 462L – Soil and Foundation Construction Lab \(1\)](#)
- ☐ CONM 472 - Planning and Scheduling (3)
- ☐ CONM 475 - Construction Company and Financial Management (3)

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**Restricted Elective** (**3 semester hours**)

Select one of the following courses:

- CONM 485 - Construction Management Issues (3)
- CONM 495 - Construction Independent Study
- CONM 499 - Internship

☐ \_\_\_\_\_

**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours. ~~11~~<sup>10</sup> semester hours, ~~1 hour must be upper division~~)

- ☐ MATH 113 - College Algebra (1)
- ☐ PHYS 111 - General Physics (1)
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
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## SUGGESTED COURSE SEQUENCING

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### Freshman Year, Fall Semester: 16 credits

- ENGL 111 - English Composition (3)
- CONC 101 - Construction Safety and Regulations (3)
- CONC 116 - Building Materials (3)
- MATH 113 - College Algebra (4)
- CONM 181 - Principles of Construction Management (3)

### Freshman Year, Spring Semester: 14 credits

- Essential Learning - Humanities (3)
  - ENGL 112 - English Composition (3)
  - CONC 161 - Building Mechanical and Electrical (3)
  - CONC 208 - Construction Equipment (3)
  - KINE 100 - Health and Wellness (1)
  - KINA Activity (1)
- 

### Sophomore Year, Fall Semester: 17 credits

- ACCT 201 - Principles of Financial Accounting (3)
- ECON 201 - Principles of Macroeconomics (3)
- CONM 234 - Graphic Communications for Construction Management (3)
- CONC 228 - Estimating and Cost Control (3)
- PHYS 111 - General Physics (4) with PHYS 111L - General Physics Laboratory (1)

### Sophomore Year, Spring Semester: 15 credits

- MATH 130 - Trigonometry (3)
  - CONC 218 - Surveying (3)
  - ECON 202 - Principles of Microeconomics (3)
  - Essential Learning - Natural Science (3)
  - [General](#) Elective (3)
- 

### Junior Year, Fall Semester: 16 credits

- CONM 362 - Structural Analysis-Statics/Materials Strength (3)
- CONM 340 - Advanced Construction Estimating and Bidding (3)
- CONM 316 - Construction Materials and Methods (3)
- CONM 370 - Managing Safety and the Regulatory Environment (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)

### Junior Year, Spring Semester: 15 credits

- HRMA 371 - Human Resource Management (3)
  - STAT 200 - Probability and Statistics (3)
  - CONM 361 - Advanced MEP Systems (3)
  - CONM 380 - Construction Project Management (3)
  - BUGB 349 - Legal Environment of Business (3)
- 

### Senior Year, Fall Semester: 15 credits

- Essential Learning - Fine Arts (3)
- Essential Learning - History (3)
- CONM 472 - Planning and Scheduling (3)
- FINA 301 - Managerial Finance (3)
- [General](#) Elective (3)

### Senior Year, Spring Semester: 12 credits

- [CONM 462 - Soil and Foundation Construction](#) (3)
- [CONM 462L – Soil and Construction Lab \(1\)](#)
- CONM 475 - Construction Company and Financial Management (3)
- Restricted Elective (3)

2018-19 BS, Construction Management (3180). Posted:

- General Elective ~~(3)~~ (2)

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Department: CSMS

Course Modifications

STAT 241

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	STAT	
Course No.:	241	
Credit Hours:	3	
Course Title:	Introduction to Business Analysis	
Times for Credit:	1	1
Prerequisites:	Current: MATH 113 or higher; and CISB 101 or CISB 205 or CISB 305 Proposed: MATH 113 or higher	

Requirement or listed choice for any program of study:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Justification:

STAT 241 is taken as an alternative to CISB 241 in all places that CISB 241 is required. The Business Dept. changed the prerequisites to CISB 241 in the January 2018 Curriculum meeting and so this is a change to match the prerequisites to CISB 241 (and to avoid hidden prerequisites since the prerequisite CISB courses are no longer part of the business programs).

Discussions with affected departments:

Curriculum contacted Rick Ott in Statistics to notify STAT of the changes to the CISB 241 course.

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Proposed by: Lisa Driskell	Expected Implementation: Fall 2018
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Program Modification

Liberal Arts-Elementary Education, English: 3291

Degree Type: BA

Revision to program sheet: Yes ☒ No ☐

Description of modification:

The proposed changes to the liberal arts elementary education degree with an English emphasis centers on offering more essential learning and elementary education core options.

Essential Learning requirements allowing more choices in Humanities, Social Behavior Sciences, Natural Sciences and History due to changes in CDE licensure examination

- o Changed BIOL 101/L to any approved Essential Learning biology course
- o Removing PHYS 100 to any approved Essential Learning geology course
- o Removed restriction on history from HIST 131 to any approved Essential Learning history course with recommendation for HIST 131 or HIST 132
- o Removed restriction on humanities to any approved Essential Learning humanities course with recommendation for English or History

Elementary Education Core changes due to changes in CDE licensure examination

- o Literacy: Removed ENGL 245 and are requiring ENGL 451
- o Social Sciences: Requiring POLS 101 and increasing options in other Social Science areas
- o Sciences: Increasing options to any Essential Learning science course or BIOL 209 or BIOL 210

Deleting ENGL 451 (moved to Elementary Education Core) and requiring ENGL 245 or ENGL 250

Justification:

There have been no content changes to this program since 2000. Based on recommendations by the Colorado Department of Education accreditation review completed in 2017 and recent content changes to the Praxis II for elementary licensure, there is a need to expand the courses in this major. In addition, students have consistently expressed the need and desire for more options in their program. Finally, these changes are in response to Academic Affairs's request to provide more options for students.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Dr. Jessica Herrick January 2018 approval to progress  
Dr. Lori Payne January 2018 approval to progress  
Dr. Barry Laga January 2018 approval to progress  
Dr. Russ Walker January 2018 approval to progress  
Dr. Carrie McVean-Waring January 2018 approval to progress

Proposed by: Cynthia Chovich

Director of Teacher Education Signature: Blake Bickham

Expected Implementation: Fall 2018

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**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Bachelor of Arts**  
**Major: Liberal Arts, Elementary Education**  
**Concentration: English**

**About This Major . . .**

The Center for Teacher Education offers a comprehensive program of study that leads to licensure in Colorado. Our professors are experienced, knowledgeable, accessible, and dedicated to the improvement of public education. At Colorado Mesa University, we pride ourselves on the personal touch. Faculty offer one-on-one guidance for course selection, field placements, student teaching, and employment. Our mission is to develop *Educators as Innovators*; we are always looking to improve the quality of learning in our programs and K-12 schools.

As a student, you will gradually accumulate over 200 hours of classroom experience before beginning student teaching. School districts throughout western Colorado provide opportunities to gain experience with children of all ages and backgrounds in a variety of school settings.

The elementary licensure program provides teacher education candidates with a broad content knowledge and prepares them as teachers for grades kindergarten through six. A minimum of 60 credit hours of Essential Learning and content area coursework must be completed with a minimum GPA of 2.80 before a candidate may apply for admission to the Center for Teacher Education elementary licensure program. Please see the Teacher Education Admission Packet for further information on admissions criteria. EDUC 115 and EDUC 215 must be taken before applying to the program.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Express themselves effectively in a variety of forms. (Communication Fluency)
2. Support interpretive claims about a variety of texts. (Critical Thinking)
3. Identify the salient features of literary texts from a broad range of English and American literary periods. (Specialized Knowledge)
4. Employ knowledge of literary traditions to produce imaginative writing. (Communication Fluency/Applied Learning)
5. Use research to assist in problem-solving. (Critical Thinking)
6. Demonstrate knowledge of the history or structure of the English language. (Specialized Knowledge)
7. Instruct K-12 students based on self-written learning plans to address individual learning and developmental patterns in English. (Specialized Knowledge)
8. Design a safe and supportive learning environment for elementary and secondary education students. (Applied Learning)
9. Apply English content knowledge while working with learners to access information in real world settings assuring learner mastery of the English language. (Specialized Knowledge)
10. Integrate assessment, planning, and instructional strategies in coordinated and engaging ways through multiple means of communication. (Critical Thinking/Communication Fluency)
11. Engage in meaningful and intensive professional learning and self-renewal by regularly examining practice through ongoing study, self-reflection, and collaboration. (Applied Learning)

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

2018-19 BA, Liberal Arts, Elementary Education, English (3291). Posted: .



### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### INSTITUTIONAL DEGREE REQUIREMENTS

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### PROGRAM-SPECIFIC DEGREE REQUIREMENTS

- 126 semester hours required for the BA in Liberal Arts, Elementary Education, English.
- 2.80 cumulative GPA or higher in all CMU coursework
- 2.80 cumulative GPA or higher in coursework toward the major content area
- A grade of "B" or better is required for all EDUC courses.
- ~~Foreign language proficiency must be demonstrated by high school course work (2 years), college coursework (2 semesters), or competency testing. (ignore deletion)~~
- [Foreign language proficiency must be demonstrated by high school course work \(2 years\), college coursework \(2 semesters\), or competency testing.](#)
- [Students take the PRAXIS II exam in the content area prior to beginning the internship.](#) All other coursework toward the degree must be successfully completed prior to the internship.
- A grade of "C" or better must be earned in all required courses, unless otherwise stated.
- ENGL 111, ENGL 112, PSYC 233, EDUC 115 and 215, and MATH 105 (all with a grade of "B" or better) and formal acceptance to the Teacher Education Program.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “B” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must be taken after MATH 105. Must receive a grade of “B” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 205 - Elements of Mathematics II

**Humanities** (3 semester hours)

- ☐ ~~One of the following~~ Select one Humanities course (ENGL or HIST course recommended) (3) s:
  - ~~ENGL 131 - Western World Literature I (3)~~
  - ~~ENGL 132 - Western World Literature II (3)~~
  - ~~ENGL 150 - Introduction to Literature (3)~~
  - ~~ENGL 222 - Mythology (3)~~
  - ~~ENGL 231 - Non-Western World Literature I (3)~~
  - ~~ENGL 232 - Non-Western World Literature II (3)~~
  - ~~ENGL 254 - Survey of English Literature I (3)~~
  - ~~ENGL 255 - Survey of English Literature II (3)~~
  - ~~ENGL 261 - Survey of American Literature I (3)~~
  - ~~ENGL 262 - Survey of American Literature II (3)~~

**Social and Behavioral Sciences** (6 semester hours)

- ☐ PSYC 233 - Human Growth and Development (3) (Must earn a grade of “B” or higher)
- ☐ ~~GEOG 103 - World Regional Geography (3)~~ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ ~~BIOL 101 - General Human Biology~~ Select one BIOL course (3)
- ☐ ~~BIOL 101L - General Human Biology Laboratory~~ Select the corresponding BIOL lab (1)
- ☐ ~~One of the following courses: Select one GEOL course (3)~~
- ~~PHYS 100 - Concepts of Physics (3)~~
- ~~PHYS 105 - Physics by Inquiry (2) and PHYS 105L - Physics by Inquiry Laboratory (1)~~

**History** (3 semester hours)

- ☐ ~~HIST 131 - United States History~~ Select one History course (HIST 131 or HIST 132 recommended) (American History recommended) (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**BA: LIBERAL ARTS, ELEMENTARY EDUCATION, ENGLISH REQUIREMENTS** (51 semester hours, must earn a grade of “C” or better in each course, unless otherwise noted.)

**Elementary Education Core: (36 semester hours)**  
**Literacy and Mathematics Foundations: (15 semester hours)**

**Literacy (9 semester hours)**

- ☐ ENGL 240 - Children’s Literature (3)
- ☐ ENGL 245 – Imaginative Writing (3)
- ☐ ENGL 343 - Language Systems and Linguistic Diversity
- ☐ ENGL 451 – Understanding and Using English Grammar (3)

**Mathematics (6 semester hours)**

- ☐ MATH 105 - Elements of Mathematics I (3) (Must earn a grade of “B” or higher.)
- ☐ MATH 301 - Mathematics for Elementary Teachers (3)

**Kinesiology (3 semester hours)**

- ☐ KINE 321 - Physical Activity and Health in the Classroom (3)

**Social Sciences (9 semester hours)**

- ☐ POLS 101 – American Government (3)

**Choose** Select 2 of the following courses:

- ☐ POLS 101 – American Government (3)
- ☐ American History Course Elective (3)
- ☐ World History Course Elective (3)

HIST 101, HIST 102, HIST 131, HIST 132, HIST 225, HIST 315, HIST 316, HIST 320, HIST 331, HIST 344, or HIST 345 (3)

- ☐ ECON 201 - Principles of Macroeconomics (3)
- ☐ HIST 225 – History of Colorado (3)
- ☐ GEOG 102 – Human Geography (3) OR GEOG 103 – World Regional Geography (3)
- ☐ ANTH 202 – Introduction to Anthropology (3)
- ☐ ARKE 205 – Principles of Archaeology (3) or ~~and~~ ARKE 225 – Introduction to North American Archaeology (3)

**Science (6 semester hours)**

- ☐ CHEM 100 – Chemistry and Society (3)
- ☐ GEOL 100 – Survey of Earth Science (3)
- ☐ Select 2 natural sciences courses from approved Essential Learning list or BIOL 209 or BIOL 210:
- ☐
- ☐

**Art (3 semester hours)**

- ☐ ARTD 410 - Elementary Art Education Methods (3)

**Elementary Education Concentration: English (15 semester hours)**

**English Content Area Required Courses (6 semester hours)**

- ☐ ENGL 210 - Introduction to Literary Studies (3)
- ☐ ENGL 451 – Understanding and Using English Grammar (3) ENGL 245 – Imaginative Writing (3) or ENGL 250 – Introduction to Creative Writing (3)

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**Upper Division Literature Electives** (6 semester hours)

Select two of the following courses:

- ENGL 301 - Classical Greek and Latin Literature (3)
- ENGL 311 - English Medieval Literature (3)
- ENGL 313 - English Renaissance Literature (3)
- ENGL 314 - American Literature to 1830 (3)
- ENGL 315 - American Literature 1830-1870 (3)
- ENGL 316 - American Literature 1870-1900 (3)
- ENGL 330 - Women in World Thought and Literature (3)
- ENGL 335 - The Bible as Literature (3)
- ENGL 355 - Shakespeare (3)
- ENGL 365 - Literature for Young Adults (3)
- ENGL 370 - Major Author (3)
- ENGL 435 - American Literature 1900-1945 (3)
- ENGL 436 - American Literature 1945-Present (3)
- ENGL 438 - Ethnic Experiences in U.S. Literature (3)
- ENGL 440 - History of the English Language (3)
- ENGL 470 - 18th Century British Literature (3)
- ENGL 471 - British Romanticism (3)
- ENGL 475 - Victorian Literature (3)
- ENGL 478 - 20th Century British Literature (3)

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**Upper Division English Elective** (3 semester hours)

- ☐ Complete 3 semester hours from the following list:
  - ENGL 380 - Memoir and Creative Non-Fiction (3)
  - ENGL 381 - Creative Writing: Fiction (3)
  - ENGL 382 - Creative Writing: Crafting Fiction (3)
  - ENGL 383 - Creative Writing: Poetry (3)
  - ENGL 384 - The Art of the Essay (3)
  - ENGL 385 - Technical and Professional Writing (3)
  - ENGL 386 - Roots of Modern Rhetoric (3)
  - ENGL 387 - Literary Editing and Publishing (3)
  - ENGL 388 - Creative Writing: Crafting Poetry (3)
  - ENGL 390 - Introduction to Film Studies (3)
  - ENGL 395 - Independent Study (1-3)
  - ENGL 396 - Topics (1-3)
  - ENGL 415 - American Folklore (3)
  - ENGL 423 - Genre Studies (3)
  - ENGL 492 - Seminar in Writing (3)
  - ENGL 495 - Independent Study (1-3)
  - ENGL 496 - Topics (1-3)

**ELEMENTARY EDUCATION REQUIREMENTS** (38 semester hours, must earn a grade of "B" or better in each courses.) (840 field experience hours)

- ☐ EDUC 115 - What It Means to be an Educator (1) (8 field experience hours)
- ☐ EDUC 215 - Teaching as a Profession (1) (12 field experience hours)
- ☐ EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3) (20 field experience hours)
- ☐ EDUC 343 - Teaching to Diversity (3) (20 field experience hours)
- ☐ EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- ☐ EDUC 378 - Technology for K-12 Educators (1)
- ☐ EDUC 440 - Methods of Teaching Language and Literacy: Early Childhood (3) (40 field experience hours)

2018-19 BA, Liberal Arts, Elementary Education, English (3291). Posted: .

- ☐ EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3) (80 field experience hours)
- ☐ EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3) (60 field experience hours)
- ☐ EDUC 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- ☐ EDUC 471 - Educational Assessment for the K-12 Educator (1)
- ☐ EDUC 475 - Classroom Management for K-12 Educators (1)
- ☐ EDUC 499C - Teaching Internship and Colloquia: Elementary (12) (600 field experience hours)

## SUGGESTED COURSE SEQUENCING

### Freshman Year, Fall Semester: 16 credits

- ENGL 111 - English Composition (3)
- Essential Learning - Fine Arts (3)
- ~~Essential Learning – History (3)~~ ~~HIST 121 – United States History (3)~~
- ~~POLS 101 – American Government (3)~~ ~~POLS 101 – American Government (3)~~
- ~~Essential Learning - Geology (3)~~ ~~PHYS 100 – Concepts of Physics (3)~~ or ~~PHYS 105 – Physics by Inquiry (2)~~ and ~~PHYS 105L – Physics by Inquiry Laboratory (1)~~
- KINA Activity (1)

### Freshman Year, Spring Semester: 17 credits

- ENGL 112 - English Composition (3)
- KINE 100 - Health and Wellness (1)
- ~~Essential Learning – Social and Behavioral Sciences (3)~~ ~~ENGL 245 – Imaginative Writing (3)~~
- ~~Essential Learning – Humanities (3)~~ ~~CHEM 100 – Chemistry and Society (3)~~
- ~~Elementary Core - Natural Sciences Elective (3)~~ ~~GEOL 100 – Survey of Earth Science (3)~~
- MATH 105 - Elements of Mathematics I (3)
- EDUC 115 - What It Means to be an Educator (1)

### Sophomore Year, Fall Semester: 16 credits

- ~~Essential Learning – Biology IOL 101 – General Human Biology (3)~~ and ~~Biology IOL Laboratory 101L – General Human Biology Laboratory (1)~~
- PSYC 233 - Human Growth and Development (3)
- MATH 205 - Elements of Mathematics II (3)
- ~~ENGL 245 – Imaginative Writing (3)~~ OR ~~ENGL 250 – Introduction to Creative Writing (3)~~ ~~ECON 201 – Principles of Macroeconomics (3)~~
- ~~Elementary EdCore - Social Sciences Elective (3)~~ ~~Essential Learning – Humanities (3)~~

### Sophomore Year, Spring Semester: 17 credits

- ENGL 240 - Children's Literature (3)
- ~~HIST 225 – History of Colorado (3)~~ ~~Elementary EdCore - Social Sciences Elective (3)~~
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- ~~Elementary Core - Natural Science Elective (3)~~ ~~GEOG 103 – World Regional Geography (3)~~
- ENGL 210 - Introduction to Literary Studies (3)
- EDUC 215 - Teaching as a Profession (1)

### Junior Year, Fall Semester: 18 credits

- EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3)
- EDUC 343 - Teaching to Diversity (3)
- ENGL 343 - Language systems and Linguistic Diversity (3)
- ~~KINE 321 – Physical Activity and Health in the Classroom~~ ~~MATH 301 – Mathematics for Elementary Teachers (3)~~
- Upper Division English Content Courses (2 courses) (6)

### Junior Year, Spring Semester: 16 credits

- EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- EDUC 378 - Technology for K-12 Educators (1)
- ~~MATH 301 – Mathematics for Elementary Teachers~~ ~~KINE 321 – Physical Activity and Health in the Classroom (3)~~
- EDUC 440 - Methods of Teaching Language and Literacy: Early Childhood (3)
- Upper Division English Content Course (3)
- ENGL 451 - Structure of the English Language (3)

### Senior Year, Fall Semester: 13 credits

- ARTD 410 - Elementary Art Education Methods (3)
- EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3)
- EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3)
- EDUC 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- EDUC 471 - Educational Assessment for the K-12 Educator (1)

2018-19 BA, Liberal Arts, Elementary Education, English (3291). Posted: .

**Senior Year, Spring Semester: 13 credits**

- EDUC 499C - Teaching Internship and Colloquia: Elementary (12)
  - EDUC 475 - Classroom Management for K-12 Educators (1)
-

## Program Modification

### Liberal Arts-Elementary Education, Mathematics: 3491

Degree Type: BA

Revision to program sheet: Yes ☒ No ☐

Description of modification:

The proposed changes to the liberal arts elementary education degree with a Math emphasis centers on offering more essential learning and elementary education core options.

Essential Learning requirements allowing more choices in Humanities, Social Behavior Sciences, Natural Sciences and History due to changes in CDE licensure examination

o Changed BIOL 101/L to any approved Essential Learning biology course

o Removing PHYS 100 to any approved Essential Learning geology course

o Removed restriction on history from HIST 131 to any approved Essential Learning history course with recommendation for HIST 131 or HIST 132

o Removed restriction on humanities to any approved Essential Learning humanities course with recommendation for English or History

Elementary Education Core changes due to changes in CDE licensure examination

o Literacy: Removed ENGL 245 and are requiring ENGL 451

o Social Sciences: Requiring POLS 101 and increasing options in other Social Science areas

o Sciences: Increasing options to any Essential Learning science course or BIOL 209 or BIOL 210

Justification:

There have been no content changes to this program since 2000. Based on recommendations by the Colorado Department of Education accreditation review completed in 2017 and recent content changes to the Praxis II for elementary licensure, there is a need to expand the courses in this major. In addition, students have consistently expressed the need and desire for more options in their program. Finally, these changes are in response to Academic Affairs's request to provide more options for students.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Dr. Jessica Herrick January 2018 approval to progress

Dr. Lori Payne January 2018 approval to progress

Dr. Barry Laga January 2018 approval to progress

Dr. Russ Walker January 2018 approval to progress

Dr. Carrie McVean-Waring January 2018 approval to progress

Proposed by: Cynthia Chovich

Director of Teacher Education Signature: Blake Bickham

Expected Implementation: Fall 2018

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**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Bachelor of Arts**  
**Major: Liberal Arts, Elementary Education**  
**Concentration: Mathematics**

**About This Major . . .**

The Center for Teacher Education offers a comprehensive program of study that leads to licensure in Colorado. Our professors are experienced, knowledgeable, accessible, and dedicated to the improvement of public education. At Colorado Mesa University, we pride ourselves on the personal touch. Faculty offer one-on-one guidance for course selection, field placements, student teaching, and employment. Our mission is to develop *Educators as Innovators*; we are always looking to improve the quality of learning in our programs and K-12 schools.

As a student, you will gradually accumulate over 200 hours of classroom experience before beginning student teaching. School districts throughout western Colorado provide opportunities to gain experience with children of all ages and backgrounds in a variety of school settings.

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For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Demonstrate familiarity with the logical and historical development of mathematics and the implications of this development. (Specialized Knowledge)
2. Demonstrate a deep and coherent proficiency in the mathematics underlying elementary curricula. (Quantitative Fluency)
3. Effectively communicate mathematics using oral and written exposition appropriate for teachers of mathematics. (Communication Fluency)
4. Reason mathematically and communicate precisely using clear definitions, appropriate symbols, correct units of measure with an appropriate degree of precision, proper labels, and coherent chains of logic. (Applied Learning)
5. Instruct K-12 students based on self-written learning plans to address individual learning and developmental patterns. (Specialized Knowledge)
6. Design a safe and supportive learning environment for elementary and secondary education students. (Applied Learning)
7. Apply content knowledge while working with learners to access information in real world settings assuring learner mastery of the content. (Specialized Knowledge)
8. Integrate assessment, planning, and instructional strategies in coordinated and engaging ways through multiple means of communication. (Critical Thinking/ Communication Fluency)
9. Engage in meaningful and intensive professional learning and self-renewal by regularly examining practice through ongoing study, self-reflection, and collaboration. (Applied Learning)

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

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2018-19 BA, Liberal Arts, Elementary Education, Mathematics (3491). Posted:.

on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

**Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

**INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

**PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 126 semester hours for the BA in Liberal Arts, Elementary Education, Mathematics
- 2.80 cumulative GPA or higher in all CMU coursework
- A cumulative grade point average of 2.8 or higher must be maintained for content courses-and overall GPA. A grade of B or better is required for all EDUC courses.
- ~~Foreign language proficiency must be demonstrated by high school course work (2 years), college coursework (2 semesters), or competency testing. (ignore deletion)~~
- Foreign language proficiency must be demonstrated by high school course work (2 years), college coursework (2 semesters), or competency testing.
- Students take the PRAXIS II exam in the content area prior to beginning the internship. Also, ALL other coursework toward the degree must be successfully completed prior to the internship.
- A grade of C or better must be earned in all required courses, unless otherwise stated.
- ENGL 111, ENGL 112, PSYC 233, EDUC 115 and 215, and MATH 105 (all with a grade of "B" or better) and formal acceptance to the Teacher Education Program.

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### **ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)**

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “B” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must be taken after MATH 105. Must receive a grade of “B” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 205 - Elements of Mathematics II

**Humanities** (3 semester hours)

- ☐ ~~One of the following courses:~~[Select one Humanities course \(English or History recommended\) \(3\)](#)  
[ENGL 131 – Western World Literature I \(3\)](#)  
[ENGL 132 – Western World Literature II \(3\)](#)  
[ENGL 150 – Introduction to Literature \(3\)](#)  
[ENGL 222 – Mythology \(3\)](#)  
[ENGL 231 – Non-Western World Literature I \(3\)](#)  
[ENGL 232 – Non-Western World Literature II \(3\)](#)  
[ENGL 254 – Survey of English Literature I \(3\)](#)  
[ENGL 255 – Survey of English Literature II \(3\)](#)  
[ENGL 261 – Survey of American Literature I \(3\)](#)  
[ENGL 262 – Survey of American Literature II \(3\)](#)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ PSYC 233 - Human Growth and Development (3) (Must earn a grade of “B” or higher)
- ☐ ~~GEOG 103 – World Regional Geography (3)~~[Select one Social and Behavioral Science course \(3\)](#)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ ~~BIOL 101 – General Human Biology (3)~~[Select one BIOL course \(3\)](#)
- ☐ ~~BIOL 101L – General Human Biology Laboratory~~[Select the corresponding BIOL lab \(1\)](#)
- ☐ ~~One of the following courses:~~[Select one GEOL course \(3\)](#)  
[PHYS 100 – Concepts of Physics \(3\)](#)  
[PHYS 105 – Physics by Inquiry \(2\)](#) and [PHYS 105L – Physics by Inquiry Laboratory \(1\)](#)

**History** (3 semester hours)

- ☐ ~~HIST 131 – United States History~~[Select one History course \(HIST 131 or HIST 132 recommended\) \(American History recommended\) \(3\)](#)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**BA, LIBERAL ARTS ELEMENTARY EDUCATION, MATHEMATICS REQUIREMENTS** (89 Semester Hours)

**Elementary Education Core** (36 semester hours):

**Literacy and Mathematics** (15 semester hours)

- ☐ ENGL 240 - Children's Literature (3)
- ☐ ~~ENGL 241 - Imaginative Writing (3)~~
- ☐ ENGL 343 - Language systems and Linguistic Diversity (3)
- ☐ ENGL 451 - Understanding and Using English Grammar

**Mathematics** (6 semester hours)

- ☐ MATH 105 - Elements of Mathematics I (3) (Must earn a grade of "B" or higher.)
- ☐ MATH 301 - Mathematics for Elementary Teachers (3)

**Kinesiology** (3 semester hours)

- ☐ KINE 321 - Physical Activity and Health in the Classroom (3)

**Social Sciences** (9 semester hours)

- ☐ POLS 101 - American Government (3)

Select two of the following courses:

~~American History Course (3)~~

~~World History Course (3)~~

HIST 101, HIST 102, HIST 131, HIST 132, HIST 225, HIST 315, HIST 316, HIST 320, HIST 331, HIST 344, or HIST 345 (3)

GEOG 102 - Human Geography (3 or GEOG 103 - World Regional Geography (3)

ANTH 202 - Introduction to Anthropology (3)

☐ ARKE 205 - Principles of Archaeology (3) or ARKE 225 - Introduction to North American Archaeology (3)

☐ ECON 201 - Principles of Macroeconomics (3)

~~HIST 225 - History of Colorado (3)~~

☐ \_\_\_\_\_

☐ \_\_\_\_\_

**Science** (6 semester hours)

☐ ~~CHEM 100 - Chemistry and Society (3)~~

☐ ~~GEOL 100 - Survey of Earth Science (3)~~

Select two Natural Sciences courses from approved Essential Learning list or BIOL 209 or BIOL 210

☐ \_\_\_\_\_

☐ \_\_\_\_\_

**Art** (3 semester hours)

- ☐ ARTD 410 - Elementary Art Education Methods (3)

**Elementary Education Concentration: Math** (15 semester hours):

**Math Content Area Required Courses** (12 semester hours)

- ☐ STAT 200 - Probability and Statistics (3)
- ☐ One of the following courses:
  - CSCI 305 - Technology for Mathematics Educators (3)
  - CSCI 110 - Beginning Programming (3)
- ☐ One of the following courses:
  - MATH 151 - Calculus I (5)
  - MATH 146 - Calculus for Biological Sciences (5)
- ☐ MATH 398 - Explorations in Mathematics for Elementary Educators (1)

**Concentration Elective** (3 semester hours)

- ☐ One of the following courses:
  - MATH 305 - Euclidian Geometry (3)

2018-19 BA, Liberal Arts, Elementary Education, Mathematics (3491). Posted:.

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MATH 369 - Discrete Structures (3)  
STAT 311 - Statistical Methods (3)  
MATH 340 - Ethnomathematics (3)

**Elementary Education Requirements** (38 semester hours) (880 field experience hours)

Program Requirements: ENGL 111, ENGL 112, PSYC 233, EDUC 115 and 215, and MATH 105 and formal acceptance to the Teacher

Education Program

- ☐ EDUC 115 - What It Means to be an Educator (1) (8 field experience hours)
- ☐ EDUC 215 - Teaching as a Profession (1) (12 field experience hours)
- ☐ EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3) (20 field experience hours)
- ☐ EDUC 343 - Teaching to Diversity (3) (20 field experience hours)
- ☐ EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- ☐ EDUC 378 - Technology for K-12 Educators (1)
- ☐ EDUC 440 - Methods of Teaching Language and Literacy: Early Childhood (3) (40 field experience hours)
- ☐ EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3) (80 field experience hours)
- ☐ EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3) (60 field experience hours)
- ☐ EDUC 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- ☐ EDUC 471 - Educational Assessment (1)
- ☐ EDUC 475 - Classroom Management (1)
- ☐ EDUC 499C - Teaching Internship and Colloquia: Elementary (12) (600 field experience hours)

All EDUC prefix courses listed above must be completed with a grade of B or better to progress through the program sequence.

## SUGGESTED COURSE SEQUENCING

### Freshman Year, Fall Semester: 16 credits

- ENGL 111 - English Composition (3)
- ~~Essential Learning – Fine Arts (3)~~
- ~~HIST 121 – United States History~~ Essential Learning - History (3)
- ~~PSYC 233 – Human Growth and Development (3)~~
- POLS 101 - American Government (3)
- ~~PHYS 100 – Concepts of Physics (3) or PHYS 105 – Physics by Inquiry (2) and PHYS 105L – Physics by Inquiry Laboratory (4)~~ Essential Learning – Geology (3)
- KINA Activity (1)

### Freshman Year, Spring Semester: 16 credits

- ~~ENGL 112 - English Composition (3)~~
- ~~CHEM 100 – Chemistry and Society (2)~~ Essential Learning – Social and Behavioral Sciences (3)
- ~~HIST 225 – History of Colorado (3)~~ Essential Learning – Humanities (3)
- ~~GEOL 100 – Survey of Earth Science (3)~~ Elementary Core – Natural Sciences (3)
- MATH 105 - Elements of Mathematics I (3)
- EDUC 115 - What It Means to be an Educator (1)

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### Sophomore Year, Fall Semester: 17-17 credits

- ~~BIOL 101 – General Human Biology~~ Essential Learning - Biology (3) and ~~BIOL 101L – General Human Biology Laboratory~~ Biology Lab (1)
- ~~Essential Learning – Humanities~~ PSYC 233 – Human Growth and Development (3)
- STAT 200 - Probability and Statistics (3)
- ~~KINE 100 – Health and Wellness (1)~~
- MATH 205 - Elements of Mathematics II (3)
- ~~ECON 201 – Principles of Macroeconomics~~ Elementary Core – Social Science (3)
- EDUC 215 – Teaching as a Profession (1)

### Sophomore Year, Spring Semester: 16-18 credits

- ENGL 240 - Children's Literature (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- ~~Essential Learning – Fine Arts (3)~~ Elementary Core – Social Science (3)
- MATH 151 - Calculus (5) or MATH 146 - Calculus for Biological Sciences (5)
- ~~EDUC 215 – Teaching as a Profession (1)~~ Elementary Core – Natural Science (3)

### Junior Year, Fall Semester: 16-8 credits

- EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3)
- EDUC 343 - Teaching to Diversity (3)
- MATH 301 - Mathematics for Elementary Teachers (3)
- ~~KINE 321 – Physical Activity and Health in the Classroom (3)~~
- ~~ENGL 245 – Imaginative Writing~~ ENGL 343 – Language Systems and Linguistic Diversity (3)
- MATH - Concentration Course (3)
- ~~KINE 100 – Health and Wellness (1)~~

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### Junior Year, Spring Semester: 17 credits

- EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- EDUC 378 - Technology for K-12 Educators (1)
- CSCI 305 - Technology for Mathematics Educators (3) or CSCI 110 - Beginning Programming (3)
- ~~GEOG 103 – World Regional Geography (3)~~ KINE 321 – Physical Activity and Health in the Classroom (3)
- ~~ARTD 410 – Elementary Art Education Methods~~ EDUC 440 – Methods of Teaching Language and Literacy: Early Childhood (3)
- ~~ENGL 343 – Language systems and Linguistic Diversity~~ ENGL 451 – Understanding and Using English Grammar (3)
- MATH 389 - Explorations in Mathematics (1)

### Senior Year, Fall Semester: 13 credits

- ~~EDUC 440 and~~ EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3) and ~~Early Childhood (3)~~
- EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3)

- ENGL 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- EDUC 471 - Educational Assessment (1)
- [ARTD 410 – Elementary Art Methods \(3\)](#)

**Senior Year, Spring Semester: 13 credits**

- EDUC 499C - Teaching Internship and Colloquia: Elementary (12)
- EDUC 475 - Classroom Management (1)

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## Program Modification

### Liberal Arts-Elementary Education, Social Science: 3791

Degree Type: BA

Revision to program sheet: Yes ☒ No ☐

Description of modification:

The proposed changes to the liberal arts elementary education degree with a Social Science emphasis centers on offering more essential learning and elementary education core options.

Essential Learning requirements allowing more choices in Humanities, Social Behavior Sciences, Natural Sciences and History due to changes in CDE licensure examination

- o Changed BIOL 101/L to any approved Essential Learning biology course
- o Removing PHYS 100 to any approved Essential Learning geology course
- o Removed restriction on history from HIST 131 to any approved Essential Learning history course with recommendation for HIST 131 or HIST 132
- o Removed restriction on humanities to any approved Essential Learning humanities course with recommendation for English or History

Elementary Education Core changes due to changes in CDE licensure examination

- o Literacy: Removed ENGL 245 and are requiring ENGL 451
- o Social Sciences: Requiring POLS 101 and increasing options in other Social Science areas
- o Sciences: Increasing options to any Essential Learning science course or BIOL 209 or BIOL 210

Justification:

There have been no content changes to this program since 2000. Based on recommendations by the Colorado Department of Education accreditation review completed in 2017 and recent content changes to the Praxis II for elementary licensure, there is a need to expand the courses in this major. In addition, students have consistently expressed the need and desire for more options in their program. Finally, these changes are in response to Academic Affairs's request to provide more options for students.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Dr. Jessica Herrick	January 2018	approval to progress
Dr. Lori Payne	January 2018	approval to progress
Dr. Barry Laga	January 2018	approval to progress
Dr. Russ Walker	January 2018	approval to progress
Dr. Carrie McVean-Waring	January 2018	approval to progress

Proposed by: Cynthia Chovich

Director of Teacher Education Signature: Blake Bickham

Expected Implementation: Fall 2018

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**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Bachelor of Arts**  
**Major: Liberal Arts, Elementary Education**  
**Concentration: Social Science**

**About This Major . . .**

The Center for Teacher Education offers a comprehensive program of study that leads to licensure in Colorado. Our professors are experienced, knowledgeable, accessible, and dedicated to the improvement of public education. At Colorado Mesa University, we pride ourselves on the personal touch. Faculty offer one-on-one guidance for course selection, field placements, student teaching, and employment. Our mission is to develop *Educators as Innovators*; we are always looking to improve the quality of learning in our programs and K-12 schools.

As a student, you will gradually accumulate over 200 hours of classroom experience before beginning student teaching. School districts throughout western Colorado provide opportunities to gain experience with children of all ages and backgrounds in a variety of school settings.

The elementary licensure program provides teacher education candidates with a broad content knowledge and prepares them as teachers for grades kindergarten through six. A minimum of 60 credit hours of Essential Learning and content area coursework must be completed with a minimum GPA of 2.80 before a candidate may apply for admission to the Center for Teacher Education elementary licensure program. Please see the Teacher Education Admission Packet for further information on admissions criteria. EDUC 115 and EDUC 215 must be taken before applying to the program.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Demonstrate understanding that learning and developmental patterns vary among individuals, that learners bring unique individual differences to the learning process, and that learners need supportive and safe learning environments to thrive.
2. Apply content knowledge as they work with learners to access information, apply knowledge in real world settings, and address meaningful issues to assure learner mastery of the content.
3. Integrate assessment, planning, and instructional strategies in coordinated and engaging ways through multiple means of communication
4. Engage in meaningful and intensive professional learning and self-renewal by regularly examining practice through ongoing study, self-reflection, and collaboration.
5. Synthesize concepts and research methods from different social science disciplines and apply these to particular social issues.

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

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The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

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- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
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- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### PROGRAM-SPECIFIC DEGREE REQUIREMENTS

- 126 semester hours required for the BA in Liberal Arts, Elementary Education, Social Science.
- 2.80 cumulative GPA or higher in all CMU coursework.
- 2.80 cumulative GPA or higher in coursework toward the major content area.
- A grade of "B" or better is required for all EDUC courses.
- Foreign language proficiency must be demonstrated by high school course work (2 years), college coursework (2 semesters), or competency testing. (ignore deletion)
- Foreign language proficiency must be demonstrated by high school course work (2 years), college coursework (2 semesters), or competency testing.
- Students take the PRAXIS II exam in the content area prior to beginning the internship. Also, ALL other coursework toward the degree must be successfully completed prior to the internship.
- A grade of "C" or better must be earned in all required courses, unless otherwise stated.
- ENGL 111, ENGL 112, PSYC 233, EDUC 115 and 215, and MATH 105 (all with a grade of "B" or better) and formal acceptance to the Teacher Education Program.

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### **ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “B” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must be taken after MATH 105. Must receive a grade of “B” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 205 - Elements of Mathematics II

**Humanities** (3 semester hours)

- ☐ ~~One of the following courses~~ **Select one Humanities course (English or History recommended) (3):**

~~ENGL 131 - Western World Literature I (3)~~  
~~ENGL 132 - Western World Literature II (3)~~  
~~ENGL 150 - Introduction to Literature (3)~~  
~~ENGL 222 - Mythology (3)~~  
~~ENGL 231 - Non-Western World Literature I (3)~~  
~~ENGL 232 - Non-Western World Literature II (3)~~  
~~ENGL 254 - Survey of English Literature I (3)~~  
~~ENGL 255 - Survey of English Literature II (3)~~  
~~ENGL 261 - Survey of American Literature I (3)~~  
~~ENGL 262 - Survey of American Literature II (3)~~

**Social and Behavioral Sciences** (6 semester hours)

- ☐ PSYC 233 - Human Growth and Development (3) (Must earn a grade of “B” or higher)
- ☐ ~~GEOG 103 - World Regional Geography~~ **Select one Social and Behavioral Science course (3)**

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ ~~BIOL 101 - General Human Biology~~ **Select one Biology course (3)**
- ☐ ~~BIOL 101L - General Human Biology Laboratory~~ **Select the corresponding Biology Lab (1)**
- ☐ ~~One of the following courses~~ **Select one Geology course (3):**  
~~PHYS 100 - Concepts of Physics (3)~~  
~~PHYS 105 - Physics by Inquiry (2) and PHYS 105L - Physics by Inquiry Laboratory (1)~~

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**History** (3 semester hours)

- ☐ ~~HIST 131 - United States History~~ **Select one History course (HIST 131 or HIST 132 recommended) (American History recommended) (3)**

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**BA, LIBERAL ARTS ELEMENTARY EDUCATION, SOCIAL SCIENCE CONCENTRATION** (89 semester hours)

**Elementary Education Core** (36 semester hours):

**Literacy and Mathematics** (9-15 semester hours)

- ☐ ENGL 240 - Children's Literature (3)
- ☐ ~~ENGL 245 - Imaginative Writing (3)~~
- ☐ ENGL 343 - Language systems and Linguistic Diversity (3)
- ☐ ENGL 451 - Understanding and Using English Grammar (3)

**Mathematics** (6 semester hours)

- ☐ MATH 105 - Elements of Mathematics I (3) (Must earn a grade of "B" or higher.)
- ☐ MATH 301 - Mathematics for Elementary Teachers (3)

**Kinesiology** (3 semester hours)

- ☐ KINE 321 - Physical Activity and Health in the Classroom (3)

**Social Sciences** (9 semester hours)

- ☐ POLS 101 - American Government (3)

**Select two of the following courses:**

- ☐ ~~American History course (3)~~
- ☐ ~~World History course (3)~~
- HIST 101, HIST 131, HIST 132, HIST 225, HIST 315, HIST 316, HIST 320, HIST 331, HIST 344, or HIST 345 (3)

GEOG 102 - Human Geography (3) or GEOG 103 - World Regional Geography (3)

- ☐ ~~ANTH 202 - Introduction to Anthropology~~
- ☐ ~~ARKE 205 - Principles of Archaeology (3) or ARKE 225 - Introduction to North American Archaeology (3)~~
- ☐ ~~ECON 201 - Principles of Macroeconomics (3)~~
- ☐ ~~HIST 225 - History of Colorado (3)~~

- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

**Science** (6 semester hours)

- ☐ ~~CHEM 100 - Chemistry and Society (3)~~
- ☐ ~~GEOL 100 - Survey of Earth Science (3)~~

**Select two Natural Sciences courses** from approved Essential Learning list or BIOL 209 or BIOL 210:

- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

**Art** (3 semester hours)

- ☐ ARTD 410 - Elementary Art Education Methods (3)

**Elementary Education Concentration: Social Science** (15 semester hours)

**Social Science Content Area Required Courses** (9 semester hours)

- ☐ HIST 102 - Western Civilizations (3)
- ☐ ANTH 202 - Introduction to Anthropology (3)
- ☐ POLS 236 - State and Local Government (3)

**Social Science Concentration Electives** (6 semester hours)

Select two of the following courses:

- HIST 300 - History of England to 1660 (3)
- HIST 301 - History of Modern Britain (3)

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HIST 302 - History of Modern France (3)  
 HIST 303 - History of Modern Germany (3)  
 HIST 330 - History of 19th Century Europe (3)  
 HIST 331 - The 20th Century (3)  
 HIST 350 - Renaissance and Reformation (3)  
 HIST 360 - Medieval Europe (3)  
 HIST 400 - The Soviet Union and Eastern Europe (3)  
 HIST 430 - The Ancient Mediterranean World (3)  
 HIST 445 - The Holocaust (3)  
 HIST 450 - European History and Film (3)  
 HIST 310 - Latin American Civilization (3)  
 HIST 333 - The International History of the Cold War (3)  
 HIST 334 - History of the British Empire (3)  
 HIST 340 - History of the Middle East (3)  
 HIST 403 - East Asia and the Modern World (3)  
 HIST 406 - History of the African Continent (3)  
 HIST 305 - The Old South (3)  
 HIST 342 - The Early American Republic (3)  
 HIST 344 - The Age of Industry in America (3)  
 HIST 345 - The History of Immigration, Race, and Ethnicity in America (3)  
 HIST 346 - The 1950's and 1960's (3)  
 HIST 347 - Global America: 1970-2000 (3)  
 HIST 370 - Early U.S. Women's History (3)  
 HIST 371 - 20th Century U.S. Women's History (3)  
 HIST 415 - Colonial America (3)  
 HIST 416 - The American Revolution (3)  
 HIST 420 - Civil War (3)  
 HIST 315 - American Indian History (3)  
 HIST 316 - American Slavery (3)  
 HIST 320 - The American West (3)  
 HIST 332 - History of Modern Warfare (3)  
 HIST 355 - Ancient and Medieval Cities (3)  
 HIST 375 - American Sports History (3)  
 HIST 394 - Junior Seminar in Historiography (3)  
 HIST 396 - Topics (1-3)  
 HIST 405 - Introduction to Public History (3)  
 HIST 409 - Material Culture Studies (3)  
 HIST 410 - Environmental History (3)  
 HIST 425 - The History of Sexuality (3)  
 HIST 435 - Classical Archaeology (3)  
 HIST 440 - Early & Medieval Christianity (3)  
 HIST 496 - Topics (1-3)

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#### **Elementary Education Requirements** (38 semester hours) (840 field experience hours)

Program Requirements: ENGL 111, ENGL 112, PSYC 233, EDUC 115 and 215, and MATH 105 (all with a grade of B or better) and formal acceptance to the Teacher Education Program

- ☐ EDUC 115 - What It Means to be an Educator (1) (8 field experience hours)
- ☐ EDUC 215 - Teaching as a Profession (1) (12 field experience hours)

2018-19 BA, Liberal Arts, Elementary Education, Social Science (3791). Posted: .

- ☐ EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3) (20 field experience hours)
- ☐ EDUC 343 - Teaching to Diversity (3) (20 field experience hours)
- ☐ EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- ☐ EDUC 378 - Technology for K-12 Educators (1)
- ☐ EDUC 440 - Methods of Teaching Language and Literacy: Early Childhood (3) (40 field experience hours)
- ☐ EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3) (80 field experience hours)
- ☐ EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3) (60 field experience hours)
- ☐ EDUC 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- ☐ EDUC 471 - Educational Assessment (1)
- ☐ EDUC 475 - Classroom Management (1)
- ☐ EDUC 499C - Teaching Internship and Colloquia: Elementary (12) (600 field experience hours)

All EDUC prefix courses listed above must be completed with a grade of “B” or better to progress through the program sequence.

## SUGGESTED COURSE SEQUENCING

### Freshman Year, Fall Semester: 16 credits

- ENGL 111 - English Composition (3)
- ~~CHEM 100 – Chemistry and Society~~ Essential Learning – Fine Arts (3)
- ~~HIST 131 – United States~~ Essential Learning – History (3)
- POLS 101 - American Government (3)
- ~~PHYS 100 – Concepts of Physics (3) or PHYS 105 – Physics by Inquiry (2) and PHYS 105L – Physics by Inquiry Laboratory (4)~~ Essential Learning – Geology (3)
- KINA Activity (1)

### Freshman Year, Spring Semester: ~~16~~ 17 credits

- ENGL 112 - English Composition (3)
- ~~HIST 102 – Western Civilization~~ Essential Learning - Humanities (3)
- ~~GEOL 100 – Survey of Earth Science~~ Essential Learning – Social and Behavioral Sciences (3)
- ~~GEOG 103 – World Regional Geography~~ MATH 105 – Elements of Math I (3)
- ~~ANTH 202 – Introduction to Anthropology~~ Elementary Core – Natural Sciences (3)
- EDUC 115 - What It Means to be an Educator (1)
- KINE 100 – Health and Wellness (1)

### Sophomore Year, Fall Semester: ~~17~~ 16 credits

- ~~BIOL 101 – General Human~~ Essential Learning - Biology (3) and ~~BIOL 101L – General Human Biology Laboratory~~ Biology Lab (1)
- ~~Essential Learning – Humanities (3)~~ Elementary Core – Social Science (3)
- PSYC 233 - Human Growth and Development (3)
- ~~KINE 100 – Health and Wellness (1)~~
- ~~ENGL 245 – Imaginative Writing~~ HIST 102 – Western Civilization (3)
- ~~MATH 105~~ MATH 205 - Elements of Mathematics II (3)

### Sophomore Year, Spring Semester: 17 credits

- EDUC 215 - Teaching as a Profession (1)
- ENGL 240 - Children's Literature (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- ~~Essential Learning – Fine Arts~~ Elementary Core – Natural Science (3)
- ~~HIST 225 – History of Colorado~~ ANTH 202 – Introduction to Anthropology (3)
- ~~MATH 205 – Elements of Mathematics II~~ Elementary Core – Social Science (3)

### Junior Year, Fall Semester: 18 credits

- ~~ECON 201 – Principles of Macroeconomics~~ ENGL 343 – Language Systems and Linguistic Diversity (3)
- EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3)
- EDUC 343 - Teaching to Diversity (3)
- ~~KINE 321 – Physical Activity and Health in the Classroom~~ MATH 301 – Mathematics for Elementary Teachers (3)
- POLS 236 - State and Local Government (3)
- Social Science Concentration Course (3)

### Junior Year, Spring Semester: 16 credits

- EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- EDUC 378 - Technology for K-12 Educators (1)
- ~~MATH 301 – Mathematics for Elementary Teachers~~ KINE 321 – Physical Activity and Health in the Classroom (3)
- ~~ENGL 343 – Language systems and Linguistic Diversity~~ ENGL 451 – Understanding and Using English Grammar (3)
- EDUC 440 - Methods of Teaching Language and Literacy: Early Childhood (3) ~~(40 field experience hours)~~
- Social Science Concentration Course (3)

### Senior Year, Fall Semester: 13 credits

- ARTD 410 - Elementary Art Education Methods (3)
- EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3) ~~(80 field experience hours)~~
- EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3) ~~(60 field experience hours)~~
- ENGL 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- EDUC 471 - Educational Assessment (1)

### Senior Year, Spring Semester: 13 credits

- EDUC 499C - Teaching Internship and Colloquia: Elementary (12) (600 field experience hours)

2018-19 BA, Liberal Arts, Elementary Education, Social Science (3791). Posted: .



- EDUC 475 - Classroom Management (1)
-

## Department: Engineering

### Course Modifications

#### ENGR 224

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	ENGR	
Course No.:	224	
Credit Hours:	2	
Course Title:	Materials Science	
Times for Credit:	1	1
Prerequisites:		
	Current: CHEM 131/131L and PHYS 131/131L	
	Proposed: CHEM 151/151L and PHYS 131/131L	

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☒ No ☐

Engineering BS, Mechanical Engineering Technology: 3453

#### Justification:

Chemistry began teaching CHEM 151, Engineering Chem, a couple of semesters ago in an effort to more properly prepare our students for other engineering coursework. Now that chemistry can adequately staff and schedule CHEM 151, we are changing the prereq from CHEM 131 to CHEM 151.

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Proposed by: Scott Kessler

Expected Implementation: Fall 2018

## Course Modifications

### ENGR 224L

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	ENGR	
Course No.:	224L	
Credit Hours:	1	
Course Title:	Materials Science Laboratory	
Times for Credit:	1	1
Prerequisites:		
	Current: CHEM 131/131L and PHYS 131/131L	
	Proposed: CHEM 151/151L and PHYS 131/131L	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Change affects program sheet or grad requirements:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Engineering BS, Mechanical Engineering Technology:	3453	

#### Justification:

Chemistry began teaching CHEM 151, Engineering Chem, a couple of semesters ago in an effort to more properly prepare our students for other engineering coursework. Now that chemistry can adequately staff and schedule CHEM 151, we are changing the prereq from CHEM 131 to CHEM 151.

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Proposed by: Scott Kessler

Expected Implementation: Fall 2018

## Program Modification

### Mechanical Engineering(CMU/CU Partnership): 3451

Degree Type: BS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Engineering is changing the chemistry requirement from General Chemistry, CHEM 131/131L, to Engineering Chemistry 151/151L. Additionally, we are eliminating the two options for electives within the BSMET degree.

Justification:

Chemistry developed CHEM 151 as a new course awhile back for our civil engineering partnership students to include course content aimed more specifically at engineering students. Now that chemistry can staff and schedule an adequate number of sections of CHEM 151 for the BSMET students as well we are changing the requirement.

We are eliminating the two options within the BSMET degree to allow students more flexibility in obtaining their degree.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

The change has been discussed with chemistry faculty and with Russ Walker, PES department head. They support the chemistry requirement change.

Proposed by: Scott Kessler

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Bachelor of Science**  
**Major: Mechanical Engineering Technology**

**About This Major . . .**

The objective of the Mechanical Engineering Technology Program (MET) is to provide the knowledge necessary to apply state-of-the-art techniques to design and build products and systems to meet the current and future needs of society. The Bachelor of Science Degree in Mechanical Engineering Technology is designed for a student who is doer or implementer - one who is able to apply mathematics, the natural and engineering sciences, engineering principles, and current engineering practices to the solution of design problems and to the operation and testing of mechanical systems.

The MET graduate applies established procedures that use current state-of-the-art techniques to work with mechanical systems. Laboratory courses are an integral component of the MET program and are designed to develop student competence to apply experimental design methods, as well as provide a "hands-on" approach to designing and building products and systems to meet the current and future needs of society. The employment of METs in manufacturing related areas should increase as the demand for improved machinery and machine tools grows and industrial machinery and processes become increasingly complex. Emerging technologies in biotechnology, and nanotechnology will create new job opportunities for METs. In addition to job openings from growth, many openings should result from the need to replace workers who leave the labor force.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply the knowledge, techniques, skills, and modern tools of engineering to engineering problems. (Critical Thinking/Applied Learning)
2. Apply knowledge of mathematics, science, and technology to engineering problems. (Quantitative Fluency)
3. Effectively use oral, written, and graphical communication skills to address both technical and non-technical audiences. (Communication Fluency)
4. Apply the ethical standards of the discipline to engineering problems. (Specialized Knowledge)

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

**Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 126 semester hours for the BS in Mechanical Engineering Technology.
- 2.0 cumulative GPA or higher in coursework toward the major content area.
- A grade of "C" or higher is required in all foundation and major courses.

### **ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 135 - Engineering Calculus I (4)
- \*3 credits apply to the Essential Learning requirements and 1 credit applies to Foundation Courses.

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ SOCI 120 - Technology and Society (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ PHYS 131 - Fundamental Mechanics (4)
  - ☐ PHYS 131L - Fundamental Mechanics Laboratory (1)
  - ☐ CHEM ~~15131~~ - ~~EngineeringGeneral~~ Chemistry I (4)
- \*2 credits apply to Essential Learning requirements and 2 credits apply to Foundation Courses.

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (13 semester hours, must pass all courses with a grade of “C” or higher.)

- ☐ CHEM ~~151431~~ - ~~GeneralEngineering~~ Chemistry+ (24)
- ☐ CHEM ~~15131L~~ - ~~EngineeringGeneral~~ Chemistry +Laboratory (1)
- ☐ MAMT 102 - Introduction to Machine Shop (1)
- ☐ MATH 135 - Engineering Calculus I (1)
- ☐ MATH 136 - Engineering Calculus II (4)
- ☐ MAMT 105 - Print Reading and Sketching (2)
- ☐ MAMT 106 - Geometric Tolerancing (2)

**BS, MECHANICAL ENGINEERING TECHNOLOGY REQUIREMENTS** (76 semester hours, must pass all courses with a grade of "C" or higher.)

**Basic Engineering Courses** (19 semester hours)

- ☐ ENGR 101 - Introduction to Engineering (1)
- ☐ ENGR 125 - CAD and Fabrication (3)
- ☐ ENGR 140 - First-Year Engineering Project (3)
- ☐ ENGR 224 - Materials Science (2)
- ☐ ENGR 224L - Materials Science Laboratory (1)
- ☐ ENGR 225 - Introduction to Manufacturing (3)
- ☐ ENGR 261 - Statics and Structures (3)
- ☐ ENGR 263 - Mechanics of Solids (3)

**MET Courses** (36 semester hours)

- ☐ ENGR 305 - Engineering Economics and Ethics (2)
- ☐ ENGR 312 - Engineering Thermodynamics (3)
- ☐ ENGR 317 - Fundamentals of Circuits and Electronics (2)
- ☐ ENGR 317L - Fundamentals of Circuits and Electronics Laboratory (1)
- ☐ ENGR 321 - Fluid Mechanics (3)
- ☐ ENGR 325 - Component Design (3)
- ☐ ENGR 343 - Dynamics (3)
- ☐ ENGR 345 - Engineering Integration I (3)
- ☐ ENGR 385 - Engineering Integration II (3)
- ☐ ENGR 401 - Professionalism Seminar (1)
- ☐ ENGR 427 - Measurements Laboratory (2)
- ☐ ENGR 435 - Industrial Controls (3)
- ☐ ENGR 445 - MET Design Project I (3)
- ☐ ENGR 446 - Writing for Design Projects (1)
- ☐ ENGR 485 - MET Design Project II (3)

**Other Required Courses** (9 semester hours)

- ☐ CSCI 130 - Introduction to Engineering Computing (3)
- ☐ ENGL 325 - Writing for Engineers (3)
- ☐ STAT 305 - Statistics and Quality Control for Engineering (3)

**Mechanical Engineering Technology Upper Division Engineering Electives Options** (12 semester hours)

Complete 12 semester hours at upper division credit 300 or 400 level with an in-ENGR prefix or other course(s) with advisor approval  
Complete all courses in one of the following options:

**Manufacturing Option**

- ☐ ENGR 425 - Advanced Manufacturing (3)
- ☐ Manufacturing Elective (3)
- ☐ Manufacturing Elective (3)
- ☐ General Technology Elective (3)

**Energy and Power Option**

- ☐ ENGR 336 - Heat and Power (3)
- ☐ ENGR 436 - Fluid Power Systems (3)
- ☐ ENGR 460 - Energy Systems (3)
- ☐ ENGR 465 - Electric Power Systems (3)

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**Freshman Year, Fall Semester: 16 credits**

- ENGR 101 - Introduction to Engineering (1)
- MATH 135 - Engineering Calculus I (4)
- ENGL 111 - English Composition (3)
- KINE 100 - Health and Wellness (1)
- ENGR 125 - CAD and Fabrication (3)
- MAMT 105 - Print Reading and Sketching (2)
- MAMT 106 - Geometric Tolerancing (2)

**Freshman Year, Spring Semester: 16 credits**

- MATH 136 - Engineering Calculus II (4)
  - ENGL 112 - English Composition (3)
  - ENGR 140 - First-Year Engineering Project (3)
  - MAMT 102 - Introduction to Machine Shop (1)
  - PHYS 131 - Fundamental Mechanics (4) with PHYS 131L - Fundamental Mechanics Laboratory (1)
- 

**Sophomore Year, Fall Semester: 15 credits**

- CHEM ~~15131~~ - ~~Engineering General~~ Chemistry-I (4) with CHEM ~~15131L~~ - ~~Engineering General~~ Chemistry-I Laboratory (1)
- CSCI 130 - Introduction to Engineering Computing (3)
- ENGR 261 - Statics and Structures (3)
- KINA Activity (1)
- Essential Learning - Humanities (3)

**Sophomore Year, Spring Semester: 16 credits**

- SOCI 120 - Technology and Society (3)
  - ENGL 325 - Writing for Engineers (3)
  - ENGR 224 - Materials Science (2) with ENGR 224L - Materials Science Laboratory (1)
  - ENGR 263 - Mechanics of Solids (3)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
- 

**Junior Year, Fall Semester: 17 credits**

- ENGR 225 - Introduction to Manufacturing (3)
- ENGR 305 - Engineering Economics and Ethics (2)
- ENGR 312 - Engineering Thermodynamics (3)
- ENGR 321 - Fluid Mechanics (3)
- STAT 305 - Statistics and Quality Control for Engineering (3)
- ENGR 345 - Engineering Integration I (3)

**Junior Year, Spring Semester: 15 credits**

- ENGR 317 - Circuits and Electronics (2) and ENGR 317L - Circuits and Electronics Laboratory (1)
  - ENGR 325 - Component Design (3)
  - ENGR 343 - Dynamics (3)
  - ENGR 385 - Engineering Integration II (3)
  - ~~ENGR~~Option ~~Course~~-Elective (3)
- 

**Senior Year, Fall Semester: 15 credits**

- ENGR 401 - Professionalism Seminar (1)
- ENGR 427 - Measurements Laboratory (2)
- ENGR 445 - MET Design Project I (3)
- Essential Learning - Fine Arts (3)
- Essential Learning - History (3)
- ~~ENGR~~Option ~~Elective~~ Course (3)

**Senior Year, Spring Semester: 16 credits**

- ~~ENGR~~~~Option~~ ~~Courses~~~~Electives~~ (6)
  - ENGR 435 - Industrial Controls (3)
  - ENGR 446 - Writing for Design Project (1)
  - ENGR 485 - MET Design Project II (3)
  - Essential Learning - Social/Behavioral Sciences (3)
-

Department: Health Sciences - NURS

Program Modification

Nursing: 3611

Degree Type: BSN

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Change credit hours for Biology "category" course option (restricted elective) BIOL 250L Introduction to Microbiology Laboratory from 2 credit hours to 1 credit hour. Change program to reflect change from 2 hours required for lab to 1 hour plus elective hour in ESSL requirements and course sequencing.

Justification:

The BIOL 250/L lecture-lab combination is proposed to change from 5 credit hours to 4 credit hours in order to align better with the CMU Essential Learning requirements and the GT Pathways program.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Submitted by Biology for Health Sciences.

Proposed by: C. McVean Waring

Director of Teacher Education Signature: NA

Expected Implementation: Fall 2018

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## **2018-2019 PROGRAM REQUIREMENTS**

### **Degree: Bachelor of Science in Nursing**

### **Major: Nursing**

#### **About This Major . . .**

The four-year Bachelor of Science in Nursing program provides educational experiences to prepare a professional nurse generalist to practice in a variety of health care settings. The program integrates nursing theory, practice, and science with a broad liberal arts education. The program has been developed to prepare a highly competent professional with the education necessary to meet the increasing need for quality health care in society today and provides students with the foundation for graduate study in nursing. The department usually receives more nursing applications than it can accept. Therefore, grades and completion of required courses are considered in the application process, as well as the score on a standardized entrance test. Colorado Mesa's BSN nursing program started in 1988 and is fully accredited. The college is very proud to report that the graduates of this program have maintained a 90-100% pass rate on the National Council for Licensure Examination (NCLEX), which is the examination graduates must pass to obtain a license to practice as an RN. The BSN Program is approved by the Colorado State Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE).

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/nursing.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Promote a culture of respect and safety while communicating the importance of lifelong learning and professional career development. (Specialized Knowledge/Applied Learning)
2. Utilize scientific inquiry and quantitative reasoning as a base for patient care decisions. (Intellectual Skills/Quantitative Fluency)
3. Communicate a plan for integration of Evidence Based findings into professional nursing practice. (Intellectual Skills/Communication Fluency)
4. Employ critical thinking as a basis for nursing practice. (Critical Thinking)
5. Improve healthcare outcomes through interpersonal collaboration and communication, facilitating access to resources to meet diverse health care needs. (Information Literacy)
6. Integrate ethical principles of leadership and management in the delivery of health care. (Intellectual Skills/Communication Fluency)

#### **Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

## **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the “Intent to Graduate” form to the Registrar’s Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student’s petition for graduation is denied, it will be her/his responsibility to consult the Registrar’s Office regarding next steps.

## **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for a complete list of graduation requirements.

## **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 2.00 cumulative GPA or higher in coursework toward the major content area.
- Must receive a grade of “C” or higher in all foundation and major requirements.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 113 - College Algebra (4\*) or higher
- \*3 credits apply to the Essential Learning requirement and 1 credit applies to General Elective credit.

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ PSYC 150 - General Psychology (3)
- ☐ PSYC 233 - Human Growth and Development (3)

**Natural Sciences** (7 semester hours)

- ☐ Select one Natural Sciences course (3)
  - ☐ BIOL 250 - Introduction to Microbiology (3)
  - ☐ BIOL 250L - Introduction to Microbiology Laboratory (2\*1)
- ~~\*1 credit applies to the Essential Learning requirement and 1 credit applies to General Elective credit.~~

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (15-16 semester hours, must pass all courses with a grade of “C” or higher)

- ☐ BIOL 209 - Human Anatomy and Physiology I (3)
- ☐ BIOL 209L - Human Anatomy and Physiology Laboratory (1)
- ☐ BIOL 210 - Human Anatomy and Physiology II (3)
- ☐ BIOL 210L - Human Anatomy and Physiology II Laboratory (1)
- ☐ BIOL 241 - Pathophysiology (4)
- ☐ One of the following courses:
  - STAT 200 - Probability and Statistics (3)
  - STAT 215 - Statistics for Social and Behavioral Sciences (4)

**BSN, NURSING REQUIREMENTS** (64 semester hours, must pass all courses with a grade of “C” or higher)

- ☐ NURS 350 - Health Assessment Across the Lifespan (3)
- ☐ NURS 350L - Health Assessment Across the Lifespan Laboratory (1)
- ☐ NURS 353 - Foundation of Nursing Practice (4)
- ☐ NURS 353L - Foundation of Nursing Practice Laboratory (3)
- ☐ NURS 370 - Pharmacology for Nurses I (3)
- ☐ NURS 372 - Professional Development I: Nursing Theory, Roles, & Ethics (2)
- ☐ NURS 373 - Acute and Chronic Illness I (4)
- ☐ NURS 373L - Acute and Chronic Illness I Clinical (3)
- ☐ NURS 388 - Mental Health Nursing (3)
- ☐ NURS 388L - Mental Health Nursing Clinical (2)
- ☐ NURS 394 - Nursing Research: An Evidence-Based Practice (3)
- ☐ NURS 459 - Family/Maternal/Child Nursing (4)
- ☐ NURS 459L - Family/Maternal/Child Nursing Clinical (3)
- ☐ NURS 472 - Professional Development II: Health Informatics (3)
- ☐ NURS 473 - Acute and Chronic Illness II (4)
- ☐ NURS 473L - Acute and Chronic Illness II Clinical (3)
- ☐ NURS 482 - Professional Development III: The Professional Nurse (2)
- ☐ NURS 487 - Community and Population Nursing (3)
- ☐ NURS 487L - Community and Population Nursing Clinical (2)
- ☐ NURS 490 - Nursing Leadership and Management (2)
- ☐ NURS 490L - Nursing Leadership and Management Clinical (1)
- ☐ NURS 492 - Pharmacology for Nurses II (2)
- ☐ NURS 493 - Senior Capstone (1)
- ☐ NURS 493L - Senior Capstone Clinical (3)

**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours. ~~34~~-4-5 semester hours)

- ☐ MATH 113 - College Algebra (1)
- ☐ ~~BIOL 250L - Introduction to Microbiology Laboratory (1)~~

☐ \_\_\_\_\_



**Freshman Year, Fall Semester: 13 credits**

- ENGL 111 - English Composition (3)
- PSYC 150 - General Psychology (3)
- KINE 100 - Health and Wellness (1)
- Essential Learning - History (3)
- Essential Learning - Natural Science (3)

**Freshman Year, Spring Semester: 14 credits**

- ENGL 112 - English Composition (3)
  - PSYC 233 - Human Growth and Development (3)
  - Essential Learning - Humanities (3)
  - KINA Activity (1)
  - BIOL 209 - Human Anatomy and Physiology I (3) and BIOL 209L - Human Anatomy and Physiology Laboratory (1)
- 

**Sophomore Year, Fall Semester: 13-14 credits**

- BIOL 250 - Introduction to Microbiology (3) and BIOL 250L - Introduction to Microbiology Laboratory (21)
- Essential Learning - Fine Arts (3)
- MATH 113 - College Algebra (4)
- General Elective (12-23)

**Sophomore Year, Spring Semester: 15-16 credits**

- BIOL 210 - Human Anatomy and Physiology II (3) and BIOL 210L - Human Anatomy and Physiology II Laboratory (1)
  - BIOL 241 - Pathophysiology (4)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
  - STAT 200 - Probability and Statistics (3) or STAT 215 - Statistics for Social and Behavioral Sciences (4)
- 

**Junior Year, Fall Semester: 16 credits**

- NURS 350 - Assessment Across the Lifespan (3) and NURS 350L - Assessment Across the Lifespan Laboratory (1)
- NURS 353 - Foundation of Nursing Practice (4) and NURS 353L - Foundation of Nursing Practice Laboratory (3)
- NURS 370 - Pharmacology for Nurses I (3)
- NURS 372 - Professional Development I: Nursing Theory, Roles, & Ethics (2)

**Junior Year, Spring Semester: 15 credits**

- NURS 373 - Acute and Chronic Illness I (4) and NURS 373L - Acute and Chronic Illness I Clinical (3)
  - NURS 388 - Mental Health Nursing (3) and NURS 388L - Mental Health Nursing Clinical (2)
  - NURS 394 - Nursing Research: An Evidence-Based Practice (3)
- 

**Senior Year, Fall Semester: 17 credits**

- NURS 459 - Family/Maternal/Child Nursing (4) and NURS 459L - Family/Maternal/Child Nursing Clinical (3)
- NURS 472 - Professional Development II: Health Informatics (3)
- NURS 473 - Acute and Chronic Illness II (4) and NURS 473L - Acute and Chronic Illness II Clinical (3)

**Senior Year, Spring Semester: 16 credits**

- NURS 482 - Professional Development III: The Professional Nurse (2)
  - NURS 487 - Community and Population Nursing (3) and NURS 487L - Community and Population Nursing Clinical (2)
  - NURS 490 - Nursing Leadership and Management (2) and NURS 490L - Nursing Leadership and Management Clinical (1)
  - NURS 492 - Pharmacology for Nurses II (2)
  - NURS 493 - Senior Capstone (1) and NURS 493L - Senior Capstone Clinical (3)
-

## Program Modification

### Nursing-LPN to BSN: 3610

Degree Type: BSN

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Change credit hours for Biology "category" course option (restricted elective) BIOL 250L Introduction to Microbiology Laboratory from 2 credit hours to 1 credit hour. Change program to reflect change from 2 hours required for lab to 1 hour. Removed additional hour from elective credits and changed elective total to 1 hour. Changed 123 total hours required for the program to 122.

Justification:

The BIOL 250/L lecture-lab combination is proposed to change from 5 credit hours to 4 credit hours in order to align better with the CMU Essential Learning requirements and the GT Pathways program.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Submitted by Biology for Health Sciences.

Proposed by: C. McVean Waring

Director of Teacher Education Signature: NA

Expected Implementation: Fall 2018

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## **2017-2018-2019 PROGRAM REQUIREMENTS**

**Degree: Bachelor of Science in Nursing**

**Major: Nursing - LPN-BSN Option**

### **About This Major . . .**

The Bachelor of Science in Nursing (LPN-BSN option) is approved by the Colorado State Board of Nursing. This program is designed for Licensed Practical Nurses to achieve a bachelor of science in Nursing Degree, opening up greater employment opportunities, increased compensation, and more job security. The LPN-integrates nursing theory, practice and science with a liberal arts education. The potential student must demonstrate college-level proficiency in reading, writing and mathematics in order to be admitted to this program. This program has selective admission requirements and requirements may change from year to year. It is the student's responsibility to obtain the current admission requirements.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Integrate critical thinking skills in the application of the nursing process to provide safe quality care by incorporating evidence-based practice (Critical Thinking).
2. Evaluate effective communication utilizing technology, written documentation and verbal expression (Communication).
3. Incorporate empathetic, compassionate, and caring interventions and behaviors while providing care (Specialized Knowledge).
4. Integrate sensitive professional nursing care to culturally diverse clients across the lifespan (Specialized Knowledge).
5. Evaluate data to ensure quality improvement and support of evidence-based practice (Quantitative Fluency).
6. Integrate leadership, management and delegation in the delivery of health care (Specialized Knowledge).
7. Apply knowledge of information systems within the healthcare system (Specialized knowledge).
8. Analyze ethical/legal guidelines and evidence based nursing practice across the life span. (Applied Learning).

### **Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- ~~123~~-122 semester hours are required for the BSN, Nursing – LPN to BSN.
- 2.0 cumulative GPA or higher in coursework toward the major content area.
- A "C" or higher is required in all major courses.

### **ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 113 -College Algebra (4\*)
- \*3 credits apply to the Essential Learning requirements and 1 credit applies to elective credit

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ PSYC 233 - Human Growth and Development (3)
- ☐ PSYC 150 - General Psychology (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ BIOL 250 - Microbiology (3)
  - ☐ BIOL 250L - Microbiology Laboratory (\*21)
- ~~\*1 credit applies to Essential Learning requirements and 1 credit applies to elective credit~~
- ☐ Select one Natural Sciences course (3)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

### **OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

### **FOUNDATION COURSES** (15 semester hours)

- ☐ BIOL 209 - Human Anatomy and Physiology I (3)
- ☐ BIOL 209L - Human Anatomy and Physiology I Laboratory (1)
- ☐ BIOL 210 - Human Anatomy and Physiology II (3)
- ☐ BIOL 210L - Human Anatomy and Physiology II Laboratory (1)
- ☐ BIOL 241 - Pathophysiology (4)
- ☐ One of the following courses:
  - STAT 200 - Probability and Statistics (3)
  - STAT 215 - Statistics for Social and Behavioral Sciences (4)

**BSN: NURSING – LPN to BSN MAJOR REQUIREMENTS** (69 semester hours, must pass all courses with a grade of “C” or higher)

☐ LPN Credits (27): Previous degree \_\_\_\_\_ Graduation Date: \_\_\_\_\_  
School: \_\_\_\_\_ ACEN Accredited \_\_\_\_\_

- ☐ NURS 318 - Health Assessment and Promotion (3)
- ☐ NURS 318L - Health Assessment and Promotion Laboratory (1)
- ☐ NURS 329 - Advanced Adult Health I/Pharmacology (5)
- ☐ NURS 329L - Advanced Adult Health I/Pharmacology Laboratory (3)
- ☐ NURS 400 - Nursing Research (3)
- ☐ NURS 421 - Population Health (4)
- ☐ NURS 421L - Population Health Laboratory (2)
- ☐ NURS 427 - Mental Health (3)
- ☐ NURS 427L - Mental Health Laboratory (2)
- ☐ NURS 429 - Adult Health II (3)
- ☐ NURS 429L - Adult Health II Laboratory (3)
- ☐ NURS 431 - High Risk Obstetrics/Pediatrics (3)
- ☐ NURS 431L - High Risk Obstetrics/Pediatrics Laboratory (2)
- ☐ NURS 449 - Leadership (2)
- ☐ NURS 449L - Leadership Laboratory (1)
- ☐ NURS 470 - Capstone (2)

**ELECTIVES** (~~2~~1 semester hours)

- ☐ MATH 113 - College Algebra (1)
- ☐ ~~BIOL 250L - Microbiology Laboratory (1)~~

**1<sup>st</sup> Year, Fall Semester: 18 credits**

- ENGL 111 - English Composition (3)
- BIOL 209 - Human Anatomy and Physiology I (3) and BIOL 209L - Human Anatomy and Physiology I Laboratory (1)
- PSYC 150 - General Psychology (3)
- MATH 113 - College Algebra (4)
- KINA Activity (1)
- Essential Learning - Fine Arts (3)

**1<sup>st</sup> Year, Spring Semester: 17 credits**

- ENGL 112 - English Composition (3)
  - BIOL 210 - Human Anatomy and Physiology II (3) and BIOL 210L - Human Anatomy and Physiology II Laboratory (1)
  - PSYC 233 - Human Growth and Development (3)
  - Essential Learning - Natural Science (3)
  - BIOL 241 - Pathophysiology (4)
- 

**LPN with IV CERTIFICATION: 27 Credits transfer for Nursing 2<sup>nd</sup> Year**

**2<sup>nd</sup> Year, Fall Semester: 14 credits**

- NURS 101 - Pharmacology Calculations (1)
- NURS 106 - Adult Concepts I/Pharmacology (5) and NURS 106L - Adult Concepts/Pharmacology Laboratory (2)
- NURS 107 - Foundations of Nursing (3) and NURS 107L - Foundations of Nursing Laboratory (3)

**2<sup>nd</sup> Year, Spring Semester: 16 credits**

- NURS 117 - Obstetrics and Pediatrics (4) and NURS 117L - Obstetrics and Pediatrics Laboratory (2)
  - NURS 156 - Socialization into Practical Nursing (1)
  - NURS 172 - Adult Concepts II/Mental Health (5) and NURS 172L - Adult Concepts II/Mental Health Laboratory (4)
- 

**3<sup>rd</sup> Year, Fall Semester: ~~18-19-20~~ credits**

- BIOL 250 - Microbiology (3) and BIOL 250L - Microbiology Laboratory ([12](#))
  - STAT 200 - Probability and Statistics (3) or STAT 215 - Statistics for Social and Behavioral Sciences (4)
  - Essential Learning - History (3)
  - KINE 100 - Health and Wellness (1)
  - Essential Learning - Humanities (3)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
- 

**4<sup>th</sup> Year, Fall Semester: 15 credits**

- NURS 318 - Health Assessment and Promotion (3) and NURS 318L - Health Assessment and Promotion Laboratory (1)
- NURS 329 - Advanced Adult Health/Pharmacology (5) and NURS 329L - Advanced Adult Health/Pharmacology Laboratory (3)
- NURS 400 - Nursing Research (3)
- NURS 470 - Capstone (2)

**4<sup>th</sup> Year, Spring Semester: 11 credits**

- NURS 421 - Population Health (4) and NURS 421L - Population Health Laboratory (2)
  - NURS 427 - Mental Health (3) and NURS 427L - Mental Health Laboratory (2)
- 

**5<sup>th</sup> Year, Fall Semester: 16 credits**

- NURS 429 - Adult Health II (3) and NURS 429L - Adult Health II Laboratory (3)
  - NURS 431 - High Risk Obstetrics/Pediatrics (3) and NURS 431L - High Risk Obstetrics/Pediatrics Laboratory (2)
  - NURS 470 - Capstone (2)
  - NURS 449 - Leadership (2) and NURS 449L - Leadership Laboratory (1)
-





Department: Kinesiology

Program Deletion

Department: Kinesiology

Degree Type: BS

Program: Athletic Training (Inactive): 3146

Justification:

The Commission on Accreditation of Athletic Training Education voted during the summer of 2016 to mandate that all professional athletic training programs must exist at the master's degree level. Further, accreditation does not allow for an accredited program to maintain their undergraduate program while transitioning that program to a master's degree. In order to comply with this accreditation requirement, we decided to voluntarily withdraw our accreditation at the undergraduate level with the intent to develop an accredited master's program.

Teach-out Plan:

Please see attached teachout plan submitted to the Commission on Accreditation of Athletic Training Education. The deletion of the program will take effect after the final cohort graduates in May 2019.

Term and year in which all students will have completed: Spring 2019

Year to reexamine program's status: 2019-2020

Recommended alternative program:

Kinesiology BS, Exercise Science: 3138

Proposed by: Jeremy Hawkins

Director of Teacher Education Signature:

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## Department: LLMC - ENGL

### Course Additions

ENGL 389 Credit Hours 3

Course Title: Screenwriting

Abbreviated Title: Screenwriting

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☒ J-Term ☐ Spring ☐ Summer ☐

Intended semester to offer course 1st time: Fall 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

ENGL 250 or ENGL 390

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☒ No ☐

LLMC BA, English-Writing: 3215

LLMC BA, English-Secondary Education: 3213

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Theory and practice of producing original screenplays.

### Justification:

There has been significant student interest in adding Screenwriting as a complement to Creative Writing courses in Fiction, Poetry, and Nonfiction. Further, Screenwriting has now been offered as a Topics course for the maximum allowed number of times with strong enrollment and continued student interest.

### Topical course outline:

Narrative Structure  
Screenplay Format  
Script Analysis  
Character Development  
Writing Dialogue

### Student Learning Outcomes:

Identify and analyze screenwriting conventions. (Specialized Knowledge/Critical Thinking)  
Utilize accepted conventions of screenwriting format. (Specialized Knowledge)  
Employ knowledge of screenwriting form and techniques to create an original script. (Applied

## Course Additions

Learning/Communication Fluency)

### Discussions with affected departments:

ARTA - 10/26/17, 11/11/17: In person and in email communications, ARTA faculty member Carolyn Quinn-Hensley has been supportive and expressed interest in cross-listing the course in the future. According to Professor Quinn-Hensley, ARTA students have expressed interest in taking ENGL 389-Screenwriting to support their work in Animation, Film, and Motion Design.

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Proposed by: Eric Lackey

Expected Implementation: Fall 2018

Department: LLMC -ENGL

Program Modification

English-Secondary Education: 3213

Degree Type: BA

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Program sheet updated to include new course: ENGL 389: Screenwriting.

Justification:

ENGL 389: Screenwriting will be a possible course for all ENGL Programs.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Dr. Blake Bickham advised of course addition 2/12/18.

Proposed by: Jennifer R Hancock

Director of Teacher Education Signature: Blake Bickham

Expected Implementation: Fall 2018

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## 2018-2019 PROGRAM REQUIREMENTS

Degree: Bachelor of Arts

Major: English

Concentration: Secondary Education

### About This Major . . .

The Center for Teacher Education offers a comprehensive program of study that leads to licensure in Colorado. Our professors are experienced, knowledgeable, accessible, and dedicated to the improvement of public education. At Colorado Mesa University, we pride ourselves on the personal touch. Faculty offer one-on-one guidance for course selection, field placements, student teaching, and employment. Our mission is to develop *Educators as Innovators*; we are always looking to improve the quality of learning in our programs and K-12 schools.

As a student, you will gradually accumulate over 200 hours of classroom experience before beginning student teaching. School districts throughout western Colorado provide opportunities to gain experience with children of all ages and backgrounds in a variety of school settings. The secondary licensure program provides teacher education candidates with broad content knowledge in English and prepares them as teachers for grades 7 through 12. A minimum of 75 credit hours of Essential Learning and content area coursework must be completed with a minimum GPA of 2.80 before a candidate may apply for admission to the Center for Teacher Education secondary licensure program. Please see the Teacher Education Admission Packet for further information on admissions criteria. EDUC 115 and EDUC 215, must be taken before applying to the program.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Express themselves effectively in a variety of forms.
2. State and support, sometimes using research, interpretive claims about a variety of texts.
3. Identify the salient features of literary texts from a broad range of English and American literary periods.
4. Employ knowledge of literary traditions to produce imaginative writing.
5. Use research to assist in problem-solving.
6. Instruct K-12 students based on self-written learning plans to address individual learning and developmental patterns in English. (Specialized Knowledge)
7. Design a safe and supportive learning environment for elementary and secondary education students. (Applied Learning)
8. Apply English content knowledge while working with learners to access information in real world settings assuring learner mastery of the content. (Specialized Knowledge)
9. Integrate assessment, planning, and instructional strategies in coordinated and engaging ways through multiple means of communication. (Critical Thinking/ Communication Fluency)
10. Engage in meaningful and intensive professional learning and self-renewal by regularly examining practice through ongoing study, self-reflection, and collaboration. (Applied Learning)

### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

## **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

## **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

## **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 2.80 cumulative GPA or higher in all CMU coursework.
- 2.80 cumulative GPA or higher in coursework toward the major content area.
- All EDUC prefix courses must be completed with a grade of "B" or better.
- All other coursework toward the degree must be successfully completed prior to the internship.
- A grade of "C" or better must be earned in all required foundation and major courses, unless otherwise stated.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of "B" or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 110 -College Mathematics (3) or higher

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ PSYC 233 - Human Growth and Development (3) (must receive a grade of "B" or better)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity Course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (21 semester hours, must pass all courses with a grade of "C" or better.)

- ☐ ENGL 210 - Introduction to Literary Studies (3)
- ☐ ENGL 254 - Survey of English Literature I (3)
- ☐ ENGL 255 - Survey of English Literature II (3)
- ☐ ENGL 261 - Survey of American Literature I (3)
- ☐ ENGL 262 - Survey of American Literature II (3)

Two consecutive classes in the same foreign language. FLAS 114 & 115 will NOT fulfill this requirement.

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**BACHELOR OF ARTS: ENGLISH, SECONDARY EDUCATION REQUIREMENTS** (33 semester hours, must pass all courses with a grade of "C" or better.)

**English Core** (6 semester hours)

- ☐ ENGL 421 - Introduction to Literary Theory and Criticism (3)
- ☐ ENGL 494 - Seminar in Literature (3)

ENGL 494 must be taken after 60 semester hours have been accumulated. A student must take the seminar in their junior year.

**Secondary Teaching Related Courses** (18 semester hours)

- ☐ ENGL 250 - Introduction to Creative Writing (3)
- ☐ ENGL 355 - Shakespeare (3)
- ☐ ENGL 365 - Literature for Young Adults (3)
- ☐ ENGL 451 - Understanding and Using English Grammar (3)
- ☐ ENGL 491 - Composition Theory and Practice (3)
- ☐ THEA 403 - Methods of Teaching Drama and Speech (3)

**Upper Division Literature** (3 semester hours)

- ☐ One of the following classes:
  - ENGL 301 - Classical Greek and Latin Literature (3)
  - ENGL 311 - English Medieval Literature (3)
  - ENGL 313 - English Renaissance Literature (3)
  - ENGL 314 - American Literature to 1830 (3)
  - ENGL 315 - American Literature 1830-1870 (3)
  - ENGL 316 - American Literature 1870-1900 (3)
  - ENGL 330 - Women in World Thought and Literature (3)
  - ENGL 370 - Major Author (3)
  - ENGL 435 - American Literature 1900-1945 (3)
  - ENGL 436 - American Literature 1945-Present (3)
  - ENGL 438 - Ethnic Experiences in U.S. Literature (3)
  - ENGL 440 - History of the English Language (3)
  - ENGL 470 - 18th Century British Literature (3)
  - ENGL 471 - British Romanticism (3)
  - ENGL 475 - Victorian Literature (3)
  - ENGL 478 - 20th Century British Literature (3)
- ☐ \_\_\_\_\_

**English Electives** (6 semester hours)

Choose two courses from the following list. One course must be upper division.

- ENGL 131 - Western World Literature I (3)
- ENGL 132 - Western World Literature II (3)
- ENGL 150 - Introduction to Literature (3)
- ENGL 222 - Mythology (3)
- ENGL 240 - Children's Literature (3)
- ENGL 301 - Classical Greek and Latin Literature (3)
- ENGL 311 - English Medieval Literature (3)
- ENGL 313 - English Renaissance Literature (3)
- ENGL 314 - American Literature to 1830 (3)
- ENGL 315 - American Literature 1830-1870 (3)
- ENGL 316 - American Literature 1870-1900 (3)
- ENGL 330 - Women in World Thought and Literature (3)
- ENGL 335 - The Bible as Literature (3)
- ENGL 343 - Language Systems and Linguistic Diversity (3)



ENGL 380 - Memoir and Creative Non-Fiction (3)  
 ENGL 381 - Creative Writing: Fiction (3)  
 ENGL 382 - Creative Writing: Crafting Fiction (3)  
 ENGL 383 - Creative Writing: Poetry (3)  
 ENGL 384 - Art of the Essay (3)  
 ENGL 385 - Technical and Professional Writing (3)  
 ENGL 386 - Roots of Modern Rhetoric (3)  
 ENGL 387 - Literary Editing and Publishing (3)  
 ENGL 388 - Creative Writing: Crafting Poetry (3)  
ENGL 389 – Screenwriting (3)  
 ENGL 390 - Introduction to Film Studies (3)  
 ENGL 395 - Independent Study (1-3)  
 ENGL 396 - Topics (1-3)  
 ENGL 415 - American Folklore (3)  
 ENGL 423 - Genre Studies (3)  
 ENGL 435 - American Literature 1900-1945 (3)  
 ENGL 436 - American Literature 1945-Present (3)  
 ENGL 438 - Ethnic Experience in U.S. Literature (3)  
 ENGL 440 - History of the English Language (3)  
 ENGL 470 - 18th Century British Literature (3)  
 ENGL 471 - British Romanticism (3)  
 ENGL 475 - Victorian Literature (3)  
 ENGL 478 - 20th Century British Literature (3)  
 ENGL 495 - Independent Study (1-3)  
 ENGL 496 - Topics (1-3)

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**SECONDARY EDUCATION REQUIREMENTS** (29 semester hours, must pass courses with a grade of “B” or better.)

Program Requirements: ENGL 111, ENGL 112, PSYC 233, EDUC 115 and 215 (all with a grade of “B” or better) and formal acceptance to the Teacher Education Program.

- ☐ EDUC 115 - What It Means to be an Educator (1) (8 field experience hours)
- ☐ EDUC 215 - Teaching as a Profession (1) (12 field experience hours)
- ☐ EDUC 342 - Pedagogy and Assessment: Secondary and K-12 (3) (20 field experience hours)
- ☐ EDUC 343 - Teaching to Diversity (3) (20 field experience hours)
- ☐ EDUC 442 - Integrating Literacy across the Curriculum: Secondary and K-12 Art (3) (60 field experience hours)
- ☐ EDUC 475 - Classroom Management for K-12 Educators (1)
- ☐ EDUC 497 - Content Methodology Practicum (3) (80 field experience hours)
- ☐ EDUC 497A - Methods of Teaching Secondary English (2)

This course is only offered in the fall semester. It may be taken with either the 300-level or 400-level EDUC courses but must be taken before the student teaching semester.

- ☐ EDUC 499G - Teaching Internship and Colloquia: Secondary (12) (600 field experience hours)

**GENERAL ELECTIVES**

(All college level courses appearing on final transcript, not listed above to bring total semester hours to 120.)

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## SUGGESTED COURSE SEQUENCING FOR SPRING INTERNS

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### Freshman Year, Fall Semester: 16 credits

- ENGL 111 - English Composition (3)
- MATH 110 - College Mathematics (3)
- Foundation Course - Foreign Language (3)
- PSYC 233 - Human Growth and Development (3)
- Essential Learning - History (3)
- KINE 100 - Health and Wellness (1)

### Freshman Year, Spring Semester: 16 credits

- ENGL 112 - English Composition (3)
  - ENGL 250 - Introduction to Creative Writing (3)
  - Foundation Course - Foreign Language (3)
  - Essential Learning - Fine Arts (3)
  - Essential Learning - Natural Science with Lab (4)
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### Sophomore Year, Fall Semester: 14 credits

- ENGL 261 - Survey of American Literature I (3)
- ENGL 254 - Survey of English Literature I (3)
- Essential Learning - Social and Behavioral Science (3)
- Essential Learning - Humanities (3)
- EDUC 115 - What It Means to be an Educator (1)
- KINA Activity (1)

### Sophomore Year, Spring Semester: 16 credits

- ENGL 262 - Survey of American Literature II (3)
  - ENGL 255 - Survey of English Literature II (3)
  - ENGL 210 - Introduction to Literary Studies (3)
  - Essential Learning - Natural Science (3)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
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### Junior Year, Fall Semester: 16 credits

- ENGL 355 - Shakespeare (3)
- ENGL 451 - Understanding and Using English Grammar (3)
- Upper Division English Elective (3)
- Upper Division Literature Elective (3)
- English Elective (3)
- EDUC 215 - Teaching as a Profession (1)

### Junior Year, Spring Semester: 15 credits

- EDUC 342 - Pedagogy and Assessment: Secondary and K-12 (3)
  - EDUC 343 - Teaching to Diversity (3)
  - ENGL 421 - Introduction to Literary Theory and Criticism (3)
  - ENGL 491 - Composition Theory and Practice (3)
  - ENGL 365 - Literature for Young Adults (3)
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### Senior Year, Fall Semester: 15 credits

- ENGL 494 - Seminar in Literature (3)
- THEA 403 - Methods of Teaching Drama and Speech (3)
- EDUC 442 - Integrating Literacy across the Curriculum: Secondary and K-12 Art (3)
- EDUC 475 - Classroom Management for K-12 Educators (1)
- EDUC 497 - Content Methodology Practicum (3)
- EDUC 497A - Methods of Teaching Secondary English (2)

### Senior Year, Spring Semester: 12 credits

- EDUC 499G - Teaching Internship and Colloquia: Secondary (12)

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#### SUGGESTED COURSE SEQUENCING FOR FALL INTERNS

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##### **Freshman Year, Spring Semester: 16 credits**

- ENGL 111 - English Composition (3)
- MATH 110 - College Mathematics (3)
- Foundation Course - Foreign Language (3)
- PSYC 233 - Human Growth and Development (3)
- Essential Learning - History (3)
- KINE 100 - Health and Wellness (1)

##### **Freshman Year, Fall Semester: 17 credits**

- ENGL 112 - English Composition (3)
  - ENGL 250 - Introduction to Creative Writing (3)
  - Foundation Course - Foreign Language (3)
  - Essential Learning - Fine Arts (3)
  - Essential Learning - Natural Science with Lab (4)
  - EDUC 115 - What It Means to be an Educator (1)
- 

##### **Sophomore Year, Spring Semester: 17 credits**

- ENGL 261 - Survey of American Literature I (3)
- ENGL 254 - Survey of English Literature I (3)
- Essential Learning - Social and Behavioral Science (3)
- Essential Learning - Humanities (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- EDUC 215 - Teaching as a Profession (1)

##### **Sophomore Year, Fall Semester: 16 credits**

- ENGL 262 - Survey of American Literature II (3)
  - ENGL 255 - Survey of English Literature II (3)
  - ENGL 365 - Literature for Young Adults (3)
  - ENGL 210 - Introduction to Literary Studies (3)
  - Essential Learning - Natural Science (3)
  - KINA Activity (1)
- 

##### **Junior Year, Spring Semester: 15 credits**

- ENGL 355 - Shakespeare (3)
- ENGL 421 - Introduction to Literary Theory and Criticism (3)
- Upper Division English Elective (3)
- Upper Division Literature Elective (3)
- English Elective (3)

##### **Junior Year, Fall Semester: 14 credits**

- EDUC 342 - Pedagogy and Assessment: Secondary and K-12 (3)
  - EDUC 343 - Teaching to Diversity (3)
  - ENGL 451 - Understanding and Using English Grammar (3)
  - EDUC 497A - Methods of Teaching Secondary English (2)
  - THEA 403 - Methods of Teaching Drama and Speech (3)
- 

##### **Senior Year, Spring Semester: 13 credits**

- ENGL 491 - Composition Theory and Practice (3)
- EDUC 442 - Integrating Literacy across the Curriculum: Secondary and K-12 Art (3)
- EDUC 475 - Classroom Management for K-12 Educators (1)
- EDUC 497 - Content Methodology Practicum (3)
- ENGL 494 - Seminar in Literature (3)

**Senior Year, Fall Semester: 12 credits**

- EDUC 499G - Teaching Internship and Colloquia: Secondary (12)
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## Program Modification

### English-Writing: 3215

Degree Type: BA

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Program sheet updated to include new course: ENGL 389: Screenwriting.

Justification:

ENGL 389: Screenwriting will be a possible course for all ENGL Programs.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

NA

Proposed by: Jennifer R Hancoc

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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### About This Major . . .

The English Program offers concentrations leading to a Bachelor of Arts in Literature, Creative Writing, and Secondary Education. The skills a student develops as an English major, such as writing, editing, problem solving, and critical thinking and analysis, are highly prized by employers in nearly every profession. The English Program is proud of what it offers – cultural experiences, unique and interesting courses and instruction, committed faculty and support staff, and a desire to provide the best liberal arts education possible.

Many occupations require individuals who can write and speak well, solve problems, learn new information quickly, and work well with others on a team. This means that English graduates use their education in a wide variety of fields, and your future career may relate more to your personal career interests, work values, and transferable skills than anything specific to the content of your major. Who hires English Majors? Book publishers, magazines, arts organizations, political offices, large corporations, radio/television stations, advertising agencies, social service agencies, chambers of commerce, research institutions, marketing consultants, newspapers, greeting card publishers, law firms, public interest organizations, consumer action groups, health organizations, educational institutions, literary agencies, theaters, printing firms, high tech firms, tutoring services, public and corporate libraries, government agencies, and public relations firms.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Express themselves effectively in a variety of forms. (Specialized Knowledge)
2. Support interpretive claims about a variety of texts. (Critical Thinking)
3. Identify the salient features of literary texts from a broad range of English and American literary periods. (Specialized Knowledge)
4. Employ knowledge of literary traditions to produce imaginative writing. (Communication Fluency/Applied Learning)
5. Use research to assist in problem-solving. (Critical Thinking)
6. Apply standard conventions of English grammar and punctuation and explain grammatical structures using relevant terminology. (Specialized Knowledge)

### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper division credits.
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 2.0 cumulative GPA or higher in coursework toward the major content area.
- Must earn a grade of "C" or better in all foundation and major courses.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 110 -College Mathematics (3) or higher

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (24 semester hours, must pass all courses with a grade of “C” or higher.)

- ☐ ENGL 210 - Introduction to Literary Studies (3)
- ☐ ENGL 250 - Introduction to Creative Writing (3)
- ☐ ENGL 254 - Survey of English Literature I (3)
- ☐ ENGL 255 - Survey of English Literature II (3)
- ☐ ENGL 261 - Survey of American Literature I (3)
- ☐ ENGL 262 - Survey of American Literature II (3)

Two consecutive classes in the same foreign language. FLAS 114 & 115 will NOT fulfill this requirement.

- ☐ \_\_\_\_\_
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**BACHELOR OF ARTS: ENGLISH, WRITING REQUIREMENTS** (30 semester hours, must pass all courses with a grade of “C” or higher.)

**English Core** (6 semester hours)

- ☐ ENGL 421 - Introduction to Literary Theory and Criticism (3)
- ☐ ENGL 494 - Seminar in Literature (3)

ENGL 494 Seminar in Literature must be taken after 90 semester hours have been accumulated. A student may take the seminar in the junior year, but must take it again in the senior year. The junior-year class will count as an elective.

**Required Concentration Courses** (9 semester hours)

- ☐ ENGL 386 - Roots of Modern Rhetoric (3)
- ☐ ENGL 492 - Seminar in Writing (3)
- ☐ One of the following courses:
  - ENGL 440 - History of the English Language (3)
  - ENGL 451 - Understanding and Using English Grammar (3)

**Literary Backgrounds** (6 semester hours)

Early Literature - One of the following courses:

- ENGL 301 - Classical Greek and Latin Literature (3)
- ENGL 311 - English Medieval Literature (3)
- ENGL 313 - English Renaissance Literature (3)
- ENGL 335 - The Bible as Literature (3)
- ENGL 355 - Shakespeare (3)
- ENGL 470 - 18th Century British Literature (3)

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Later Literature - One of the following courses:

- ENGL 314 - American Literature to 1830 (3)
- ENGL 315 - American Literature 1830-1870 (3)
- ENGL 316 - American Literature 1870-1900 (3)
- ENGL 330 - Women in World Thought and Literature (3)
- ENGL 435 - American Literature 1900-1945 (3)
- ENGL 436 - American Literature 1945-Present (3)
- ENGL 438 - Ethnic Experiences in U.S. Literature (3)
- ENGL 471 - British Romanticism (3)
- ENGL 475 - Victorian Literature (3)
- ENGL 478 - 20th Century British Literature (3)

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**Writing Concentration Electives** (9 semester hours)

9 semester hours from the following courses:

- ENGL 380 - Memoir and Creative Non-Fiction (3)
- ENGL 381 - Creative Writing: Fiction (3)
- ENGL 382 - Creative Writing: Crafting Fiction (3)
- ENGL 383 - Creative Writing: Poetry (3)
- ENGL 384 - Art of the Essay (3)
- ENGL 385 - Technical and Professional Writing (3)
- ENGL 388 - Creative Writing: Crafting Poetry (3)
- [ENGL 389 –Screenwriting \(3\)](#)
- ENGL 396 (when applicable) - Topics (1-3)
- ENGL 496 (when applicable) - Topics (1-3)

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**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours, including 40 upper division hours. 29 semester hours; 10 hours of upper division may be needed.)

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**Freshman Year, Fall Semester: 16 credits**

- ENGL 111 - English Composition (3)
- MATH 110 - College Mathematics (3)
- Foundation Course - Foreign Language (3)
- Essential Learning - Social and Behavioral Science (3)
- Essential Learning - History (3)
- KINE 100 - Health and Wellness (1)

**Freshman Year, Spring Semester: 16 credits**

- ENGL 112 - English Composition (3)
  - ENGL 250 - Introduction to Creative Writing (3)
  - Foundation Course - Foreign Language (3)
  - Essential Learning - Fine Arts (3)
  - Essential Learning - Natural Science with Lab (4)
- 

**Sophomore Year, Fall Semester: 16 credits**

- ENGL 261 - Survey of American Literature I (3)
- ENGL 254 - Survey of English Literature I (3)
- Essential Learning - Social and Behavioral Science (3)
- Essential Learning - Humanities (3)
- ENGL 210 - Introduction to Literary Studies (3)
- KINA Activity (1)

**Sophomore Year, Spring Semester: 16 credits**

- ENGL 262 - Survey of American Literature II (3)
  - ENGL 255 - Survey of English Literature II (3)
  - Upper Division Writing Elective (3)
  - Essential Learning - Natural Science (3)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
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**Junior Year, Fall Semester: 15 credits**

- ENGL 386 - Roots of Modern Rhetoric (3)
- ENGL 355 - Shakespeare or other Early Literature course (3)
- ENGL 440 - History of the English Language or ENGL 451 - Understanding and Using English Grammar (3)
- Upper Division Writing Elective (3)
- Elective (3)

**Junior Year, Spring Semester: 15 credits**

- Elective (4 courses) (12)
  - Upper Division Elective, ENGL 385 - Technical Writing recommended (3)
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**Senior Year, Fall Semester: 14 credits**

- ENGL 384 - Art of the Essay recommended (3)
- ENGL 492 - Seminar in Writing (3)
- ENGL 421 - Introduction to Literary Theory and Criticism (3)
- Upper Division Elective (3)
- Elective (3)

**Senior Year, Spring Semester: 12 credits**

- ENGL 494 - Seminar in Literature (3)
  - Upper Division Elective, ENGL 383 - Creative Writing: Poetry recommended (3)
  - Upper Division Elective (3)
  - Elective (3)
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Department: LLMC - FLAI

Course Additions

FLAI 111 Credit Hours 3

Course Title: First-Year Italian I

Abbreviated Title: First-Year Italian I

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☒ J-Term ☐ Spring ☐ Summer ☐

Intended semester to offer course 1st time: Fall 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☐ No ☒

Prerequisite for other course(s): Yes ☒ No ☐

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

Course description for catalog:

Introduction to Italian. Basic competency in understanding, speaking, reading, and writing Italian.

Justification:

First, we no longer offer German, and we'll soon lose Japanese, so we want to continue to offer students a wide variety of languages to choose from. Second, we have access to qualified faculty for both Italian courses. Third, as with all foreign languages, they enrich students' education, offer new opportunities, and even help them understand English structure better. Fourth, this course complements other courses on campus, especially music faculty who have requested we add Italian.

Topical course outline:

Basic Italian language skills.

Introduction to greetings.

Classroom and family vocabularies in the present and present progressive tenses.

Russian cultural and social interactions.

Letters

Numbers

Pronunciation

Days/Months/Years

Adjectives

Interrogatives

Verbs

Student Learning Outcomes:

### Course Additions

Upon satisfactory completion of this course, the student should be able to:

- o read Italian at a novice-mid level
- o speak Italian at a novice-mid level
- o write Italian at the novice-mid level
- o comprehend speech at the novice-mid level
- o understand that variation exists in the Italian-speaking world

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Proposed by: Barry Laga

Expected Implementation: Fall 2018

## Course Additions

FLAI 112

Credit Hours 3

Course Title: First-Year Italian II

Abbreviated Title: First-Year Italian II

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☐ J-Term ☐ Spring ☒ Summer ☐

Intended semester to offer course 1st time: Spring 2019

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

### FLAI 111

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Continued work on basic competency in Italian. Increasing familiarity with Italian culture.

### Justification:

First, we no longer offer German, and we'll soon lose Japanese, so we want to continue to offer students a wide variety of languages to choose from. Second, we have we have access to qualified faculty. Third, as with all foreign languages, they enrich students' education, offer new opportunities, and even help them understand English structure better. Fourth, this course complements other courses on campus, especially music faculty who have requested we add Italian.

### Topical course outline:

Reflexive verbs  
Superlatives  
Present progressive  
Indirect objects  
Irregular verbs  
Negative expressions  
Imperfect tense  
Ordinary numbers  
Preterit vs. imperfect

### Student Learning Outcomes:

Upon satisfactory completion of this course, the student should be able to:

- o read Italian at a novice-mid level
- o speak Italian at a novice-mid level
- o write Italian at the novice-mid level

### Course Additions

- o comprehend speech at the novice-mid level
- o understand that variation exists in the Italian-speaking world

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Proposed by: Barry Laga

Expected Implementation: Fall 2018

## Department: LLMC - FLAM

### Course Additions

FLAM 111

Credit Hours 3

Course Title: First-Year Mandarin Chinese I

Abbreviated Title: First-Year Mandarin Chinese I

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☒ J-Term ☐ Spring ☐ Summer ☐

Intended semester to offer course 1st time: Fall 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☐ No ☒

Prerequisite for other course(s): Yes ☒ No ☐

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Introduction to Mandarin Chinese. Basic competency in understanding, speaking, reading, and writing Mandarin Chinese.

### Justification:

First, we no longer offer German, and we'll soon lose Japanese, so we want to continue to offer students a wide variety of languages to choose from. Second, we have offered Mandarin as a topics course for a year, and a fledgling number of students enroll. Third, as with all foreign languages, they enrich students' education, offer new opportunities, and even help them understand English structure better. Fourth, this course complements other courses on campus.

### Topical course outline:

Basic Mandarin language skills.  
Introduction to greetings.  
Classroom and family vocabularies.  
Chinese cultural and social interactions.  
Letters  
Numbers  
Pronunciation  
Days/Months/Years  
Adjectives  
Interrogatives  
Verbs

### Student Learning Outcomes:



### Course Additions

Upon satisfactory completion of this course, the student should be able to:

- o understand mechanics of Mandarin characters
- o speak Mandarin at a novice level
- o comprehend speech at the novice level
- o understand that variation exists in the Chinese-speaking world

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Proposed by: Barry Laga

Expected Implementation: Fall 2018

## Course Additions

### FLAM 112

Credit Hours 3

Course Title: First-Year Mandarin Chinese II

Abbreviated Title: First-Year Mandarin Chinese II

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☐ J-Term ☐ Spring ☒ Summer ☐

Intended semester to offer course 1st time: Spring 2019

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

### FLAM 111

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Continued work on basic competency in Mandarin Chinese. Increasing familiarity with Chinese culture.

### Justification:

First, we no longer offer German, and we'll soon lose Japanese, so we want to continue to offer students a wide variety of languages to choose from. Second, we have offered Mandarin as a topics course for a year, and a fledgling number of students enroll. Third, as with all foreign languages, they enrich students' education, offer new opportunities, and even help them understand English structure better. Fourth, this course complements other courses on campus.

### Topical course outline:

Superlatives

Indirect objects

verbs

Negative expressions

past tense

Ordinary numbers.

Chinese cultural and social interactions.

### Student Learning Outcomes:

Upon satisfactory completion of this course, the student should be able to:

- o understand mechanics of Mandarin characters
- o speak Mandarin at a novice level
- o comprehend speech at the novice level
- o understand that variation exists in the Chinese-speaking world

Course Additions

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Proposed by: Barry Laga

Expected Implementation: Fall 2018

Department: LLMC - FLAR

Course Additions

FLAR 111 Credit Hours 3

Course Title: First-Year Russian I

Abbreviated Title: First-Year Russian I

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☒ J-Term ☐ Spring ☐ Summer ☐

Intended semester to offer course 1st time: Fall 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☐ No ☒

Prerequisite for other course(s): Yes ☒ No ☐

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

Course description for catalog:

Introduction to Russian. Basic competency in understanding, speaking, reading, and writing Russian.

Justification:

First, we no longer offer German, and we'll soon lose Japanese, so we want to continue to offer students a wide variety of languages to choose from. Second, we have offered Russian as a topics course for a year, and over 20 students enroll. Third, as with all foreign languages, they enrich students' education, offer new opportunities, and even help them understand English structure better. Fourth, this course complements other courses on campus.

Topical course outline:

Basic Russian language skills.

Introduction to greetings.

Classroom and family vocabularies in the present and present progressive tenses.

Russian cultural and social interactions

Letters

Numbers

Pronunciation

Days/Months/Years

Adjectives

Interrogatives

Verbs

Student Learning Outcomes:

## Course Additions

Upon satisfactory completion of this course, the student should be able to:

- o read Russian at a novice-mid level
- o speak Russian at a novice-mid level
- o write Russian at the novice-mid level
- o comprehend speech at the novice-mid level
- o understand that variation exists in the Russian-speaking world

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Proposed by: Barry Laga

Expected Implementation: Fall 2018

## Course Additions

FLAR 112

Credit Hours 3

Course Title: First-Year Russian II

Abbreviated Title: First-Year Russian II

Contact hours per week: Lecture 3 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 2250 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☐ J-Term ☐ Spring ☒ Summer ☐

Intended semester to offer course 1st time: Spring 2019

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☒

Prerequisites: Yes ☒ No ☐

### FLAR 111

Prerequisite for other course(s): Yes ☐ No ☒

Co-requisites: Yes ☐ No ☒

Requirement or listed choice for any program of study: Yes ☐ No ☒

Overlapping content with present courses offered on campus: Yes ☐ No ☒

Additional faculty FTE required: Yes ☐ No ☒

Additional equipment required: Yes ☐ No ☒

Additional lab facilities required: Yes ☐ No ☒

### Course description for catalog:

Continued work on basic competency in Russian. Increasing familiarity with Russian culture.

### Justification:

First, we no longer offer German, and we'll soon lose Japanese, so we want to continue to offer students a wide variety of languages to choose from. Second, we have offered Russian as a topics course for a year, and over 20 students enroll. Third, as with all foreign languages, they enrich students' education, offer new opportunities, and even help them understand English structure better. Fourth, this course complements other courses on campus.

### Topical course outline:

Reflexive verbs  
Superlatives  
Present progressive  
Indirect objects  
Irregular verbs  
Negative expressions  
Imperfect tense  
Ordinary numbers  
Preterit vs. imperfect

### Student Learning Outcomes:

Upon satisfactory completion of this course, the student should be able to:

- o read Russian at a novice-mid level
- o speak Russian at a novice-mid level
- o write Russian at the novice-mid level

### Course Additions

- o comprehend speech at the novice-mid level
- o understand that variation exists in the Russian-speaking world

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Proposed by: Barry Laga

Expected Implementation: Fall 2018

Course Modifications

MASS 144

Intended semester to offer modified course for the 1st time: Fall 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	144	
Credit Hours:	3	
Course Title:	Multimedia Storytelling	
Times for Credit:	1	1

Description for catalog:

Current: Journalism-based techniques and methods for modern storytelling of accurately written information through the use of the internet, video, and audio. Focus on storytelling that can be posted quickly through the use of flip cameras and inexpensive editing software. :

Proposed: Journalism-based techniques and methods for modern storytelling of accurately written information through the use of the internet, video, and audio.

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☒

Justification:

Course description was out of date and vague.

Student Learning Outcomes, current:

1. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
2. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
3. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
4. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)

Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018



## Course Modifications

### MASS 213

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	213	
Credit Hours:	3	
Course Title:	Introduction to Media Writing and Reporting	
Times for Credit:	1	1
Prerequisites:		
	Current: MASS 140 and MASS 144	
	Proposed: MASS 140	

#### Description for catalog:

Current: Fundamentals of news gathering and reporting through a variety of media.  
Exploration of ethical and legal aspects of journalistic endeavors. Submitted stories may be published.

Proposed: Fundamentals of news gathering and reporting through a variety of media.  
Exploration of ethical and legal aspects of journalistic endeavors.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Description contained unnecessary information; elimination of prerequisite.

Mass 144 focuses on different kinds of platforms/technologies to tell a story: iPad, iMovie, photoshop, podcast. Mass 213 focuses more on traditional journalism and writing. We decided that there was no building-block connection between the two courses. This is why we would like to remove the prerequisite from Mass 213.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 251

Intended semester to offer modified course for the 1st time: Spring 2018

Current	Proposed
Course Prefix: MASS	
Course No.: 251	
Credit Hours: 3	
Course Title: Mass Media: Advertising and Promotion	
Times for Credit: 1	1
Prerequisites:	
Current: MASS 140 and MASS 144	
Proposed: MASS 140	

#### Description for catalog:

Current: Principles of media advertising and promotions. Considers research, analysis, strategy, advertising barriers, design, and perspective. Production for media.

Proposed: Principles of media advertising and promotions. Considers research, analysis, strategy, advertising barriers, design, and perspective.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Elimination of prerequisite. Course description contained unnecessary information.

MASS144 focuses on different kinds of platforms/technologies to tell a story: iPad, iMovie, photoshop, podcast. MASS 251 is an introduction to advertising and promotions. As we reviewed our course descriptions and requirements, we noted that there wasn't a building block correlation between the two courses. This is why we would like to delete MASS 144 as a prerequisite for MASS 251

#### Topical course outline, current:

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
4. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
5. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)

#### Student Learning Outcomes, proposed:

Course Modifications

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 261

Intended semester to offer modified course for the 1st time: Spring 2018

<b>Current</b>		<b>Proposed</b>	
Course Prefix:	MASS		
Course No.:	261		
Credit Hours:	3		
Course Title:	Audio Announcing and Production		
Times for Credit:	1	1	
Prerequisites:			
Current: MASS 140 and MASS 143			
Proposed: MASS 140			
Requirement or listed choice for any program of study:	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>

#### Justification:

Prereq MASS 143 was deleted last year.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
4. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)
5. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 310

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	310	
Credit Hours:	3	
Course Title:	Media Law and Ethics	
Times for Credit:	1	1

#### Description for catalog:

Current: Ethical principles and laws affecting media. Includes study and application of ethics and laws involved in print, broadcasting, and emerging media. Freedom of Press, Fair Trial, Privacy, Right to Know, Freedom of Information, Fairness Doctrine, Cameras in Courtroom, Obscenity, Censorship, and Sunshine Laws considered.

Proposed: Ethical principles and laws affecting media. Includes study and application of ethics and laws involved in print, broadcasting, and emerging media.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Description contained unnecessary information.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 313

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	313	
Credit Hours:	3	
Course Title:	Broadcast Journalism Reporting	
Times for Credit:	1	1

#### Description for catalog:

Current: Introduction to broadcast writing styles and history. Specific applications for radio, television, and internet. Emphasis on format, newsgathering, interviewing, research, and the creation of a portfolio of writing samples.

Proposed: Introduction to broadcast writing styles and history. Specific applications for radio, television, and internet. Emphasis on formatting, newsgathering, interviewing, and researching.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Course description contained inaccurate information.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 315A

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	315A	
Credit Hours:	3	
Course Title:	SPECIALIZED WRITING FOR MEDIA: SCIENCE	
Times for Credit:	1	1

#### Description for catalog:

Current: Speciality writing about Science for various media platforms.

Proposed: Speciality writing about science for various media platforms.

Requirement or listed choice for any program of study:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

#### Justification:

Description contained inappropriate capitalization.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
6. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
7. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 315B

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed	
Course Prefix:	MASS		
Course No.:	315B		
Credit Hours:	3		
Course Title:	Specialized Writing for Media: Sports		
Times for Credit:	1	1	
Description for catalog:			
Current: Specialized writing about Sports for various media platforms.			
Proposed: Specialized writing about sports for various media platforms.			
Requirement or listed choice for any program of study:	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>

#### Justification:

Description contained incorrect punctuation.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
6. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
7. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018



## Course Modifications

### MASS 315C

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	315C	
Credit Hours:	3	
Course Title:	SPECIALIZED WRITING FOR MEDIA: HEALTH	
Times for Credit:	1	1

Description for catalog:

Current: Specialty writing about Health for various media platforms.

Proposed: Specialty writing about health for various media platforms.

Requirement or listed choice for any program of study:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

#### Justification:

Description contained incorrect capitalization.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
6. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
7. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 315D

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	315D	
Credit Hours:	3	
Course Title:	Specialized Writing for Media: Crime	
Times for Credit:	1	1

Description for catalog:

Current: Specialty writing about Crime for various media platforms.

Proposed: Specialized writing about crime for various media platforms.

Requirement or listed choice for any program of study:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

#### Justification:

Description contained incorrect capitalization.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
6. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
7. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 317

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	317	
Credit Hours:	3	
Course Title:	Writing Opinion for Impact	
Times for Credit:	1	1

#### Description for catalog:

Current: Persuasive and insightful writing.

Subjects include public issues, supporting beliefs, analysis, and documentation for targeted audiences through broadcast, print, and internet/web. Practical applications in researching, interviewing, and writing editorials and commentaries.

Proposed: Persuasive and insightful writing.

Subjects include public issues, supporting beliefs, analysis, and documentation for targeted audiences through broadcast, print, and internet/web.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Description contained unnecessary information.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 350

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	350	
Credit Hours:	3	
Course Title:	Public Relations Concepts	
Times for Credit:	1	1

#### Description for catalog:

Current: Historical and theoretical approach to contemporary public relations with emphasis on the persuasion process and ethics, propaganda, and advertising techniques in the mass media.

Proposed: Historical and theoretical approach to contemporary public relations with emphasis on the persuasion process and ethics, propaganda, and advertising techniques in mass media.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Description contained unnecessary word.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
5. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 352

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	352	
Credit Hours:	3	
Course Title:	Design and Editing for Print	Print Design & Production for Editors
Abbreviated Title:		Print Design/Prod for Editors
Times for Credit:	1	1

#### Description for catalog:

Current: Examinations and evaluations of articles, copy editing, writing headlines and titles, page design for newspapers, magazines, brochures and the duties of a publication editor.

Proposed: Various essential processes and duties editors face in preparing articles, graphics, and photos for print publication - including digital design and pre-press, typography, press-ready PDFs, CMYK offset printing, writing headlines and cutlines, and meeting all expectations in the printed final product. Adobe InDesign also is introduced and utilized.

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☒ No ☒

LLMC BA, Mass Communication-Media Strategies and Applications: 3256

#### Justification:

New title and description more accurately reflects course content and updates to reflect current technology covered.

#### Student Learning Outcomes, current:

- 1.1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
4. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)
5. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 415

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	415	
Credit Hours:	3	
Course Title:	Advanced Media Writing and Reporting	
Times for Credit:	1	1

#### Description for catalog:

Current: Development of abilities to interview, research public records, report facts fairly, and write under deadline pressure. Critical attention paid to law and ethics.

Proposed: In-depth journalism writing and reporting course. Focuses on the development of long-form journalism pieces, including magazine features, public affairs reporting, news analysis, and news investigations using public records and interviews. Emphasis on fair and accurate reporting and writing under deadline, with critical attention paid to law and ethics.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Provide a more up to date description of the course.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
6. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
7. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 417

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	417	
Credit Hours:	3	
Course Title:	Writing for Public Relations and Advertising	
Times for Credit:	1	1

#### Description for catalog:

Current: Emphasizes copywriting function in public relations and advertising for organizations and agencies.

Proposed: Emphasizes copywriting in public relations and advertising for organizations and agencies.

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Remove unnecessary word.

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
4. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
5. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)
6. Determine the best methods and strategies for developing a message. (Communication Fluency)

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 441

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	441	
Credit Hours:	3	
Course Title:	Emerging Media	
Times for Credit:	1	1

#### Description for catalog:

Current: Experimentation via tools, techniques, and concepts of social and new media resulting in the creation of an online newspaper.

Proposed: Experimentation with tools, techniques, and concepts of social and new media resulting in the creation of online content.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Description needed updating

#### Student Learning Outcomes, current:

1. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
2. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
3. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018



## Course Modifications

### MASS 442

Intended semester to offer modified course for the 1st time: Spring 2018

Current		Proposed
Course Prefix:	MASS	
Course No.:	442	
Credit Hours:	3	
Course Title:	Photojournalism II	
Times for Credit:	1	1

#### Description for catalog:

Current: Considers advanced skills necessary to capture and edit images to high esthetic values, professionalism, news photography, photo illustration, creation of image portfolios for public display or potential employers, and use of image management software.

Proposed: Considers advanced skills necessary to capture and edit images to high aesthetic values, professionalism, news photography, photo illustration, creation of image portfolios for public display or potential employers, and use of image management software.

Requirement or listed choice for any program of study: Yes ☒ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Correct misspelling.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)
5. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 452

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	452	
Credit Hours:	3	
Course Title:	Designing for Brand and Message	
Times for Credit:	1	1

#### Description for catalog:

Current: Publishing attractive and effective communication via software used by media professionals. Includes designing print materials such as company newsletters, logos, brochures, magazines, as well as electronic publishing.

Proposed: Publishing attractive and effective content. Includes designing print materials such as company newsletters, logos, brochures, magazines, as well as electronic publishing.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

#### Justification:

Updating description for clarity and style.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)
5. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 494

Intended semester to offer modified course for the 1st time: Spring 2018

<b>Current</b>		<b>Proposed</b>
Course Prefix:	MASS	
Course No.:	494	
Credit Hours:	3	
Course Title:	Seminar, Theory and Research	Seminar: Advanced Thoery and Research
Abbreviated Title:		Sem: Adv.Thoery/Research
Times for Credit:	1	1

#### Description for catalog:

Current: Capstone course. Examination and exploration of mass communication theories in light of history and development of media messages and the channels through which they travel. Focus on research and its importance to media disciplines and industries.

Proposed: Capstone course. Examination and exploration of mass communication theories. Focus on research and its importance to media disciplines and industries.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☒ No ☒

LLMC BA, Mass Communication-Media Strategies and Applications: 3256

#### Justification:

TITLE WAS GRAMMATICALLY INCORRECT. COURSE DESCRIPTION CONTAINED INAPPROPRIATE INFORMATION.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
6. Evaluate mass communication theories and assess their use. (Specialized Knowledge)

#### Student Learning Outcomes, proposed:

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Proposed by: JULIE BARAK

Expected Implementation: Fall 2018

## Course Modifications

MASS 498

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	498	
Credit Hours:	3	
Course Title:	Senior Project Portfolio	
Times for Credit:	1	1

Description for catalog:

Current: Identification and preparation of off-campus projects that highlight Mass Communication skills, abilities, talents, and applications. Supervision and guidance provided by a faculty member. Works created will be formally presented to a review board.

Proposed: Identification and preparation of projects that highlight Mass Communication skills, abilities, talents, and applications.

Requirement or listed choice for any program of study: Yes ☒ No ☐  
Change affects program sheet or grad requirements: Yes ☐ No ☒

Justification:

Removing unnecessary information from course description.

Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
4. Determine the best methods and strategies for developing a message. (Communication Fluency)

Student Learning Outcomes, proposed:

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Proposed by: julie barak

Expected Implementation: Fall 2018

## Course Modifications

### MASS 499

Intended semester to offer modified course for the 1st time: Spring 2018

	Current	Proposed
Course Prefix:	MASS	
Course No.:	499	
Credit Hours:	3-12	
Course Title:	Internship	
Times for Credit:	1	1

Description for catalog:

Current: Work in newspapers, radio, television, advertising or public relations positions, or other situations that meet instructor's approval.

Proposed: Work in media industry positions.

Requirement or listed choice for any program of study:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

#### Justification:

Revising for clarity and brevity.

#### Student Learning Outcomes, current:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Determine the best methods and strategies for developing a message. (Communication Fluency)

#### Student Learning Outcomes, proposed:

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Proposed by: Julie Barak

Expected Implementation: Fall 2018

## Program Modification

### Mass Communication-Media Strategies and Applications: 3256

Degree Type: BA

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Changed the titles of two courses listed on the program sheet

Justification:

One title was grammically incorrect, the other title was out of date.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

NA

Proposed by: Julie Barak

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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## 2018-2019 PROGRAM REQUIREMENTS

Degree: Bachelor of Arts

Major: Mass Communication

Concentration: Media Strategies and Applications

### About This Major . . .

The Bachelor of Arts degree in Mass Communication is a concentration in Media Strategies and Applications. The overriding goal of the program is to offer students opportunities to develop the knowledge, theory and skills that will assist them in securing careers in the ever-changing fields of mass communication.

Graduates of Colorado Mesa University's Mass Communication program establish successful careers in media (magazines, newspapers, radio, television, public relations, advertising, and Internet-based media), as well as in other venues such as non-profit organizations, and government agencies.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply specific paradigms for critical thinking to mass communication. (Critical Thinking)
2. Evaluate and apply diversity, objectivity, and balance to any form of mass communication. (Critical Thinking)
3. Justify the decision for resolving moral or ethical mass communication dilemmas. (Specialized Knowledge)
4. Write a compelling content that demonstrates proper grammar, well-organized facts, and story-telling techniques for a variety of media. (Communication Fluency)
5. Determine validity of sources and research techniques. Additionally, they will be able to interpret data. (Quantitative Fluency)
6. Identify specific examples of media evolution. (Specialized Knowledge)
7. Evaluate mass communication theories and assess their use. (Specialized Knowledge)
8. Demonstrate proper application of industry tools and techniques common to mass communication. (Applied Learning)
9. Determine the best methods and strategies for developing a message. (Communication Fluency)

### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

#### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

#### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- In an effort to meet industry standards, Macintosh computers are used in all computer-based Mass Communication courses. Majors are strongly advised to consider purchasing a Macintosh and related print and web publication software for personal use.
- To continue in the program and eventually graduate as Mass Communication – Media Strategies and Applications majors, students must earn a minimum grade of C in the major requirements within no more than three attempts.



**ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)**

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of “C” or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 110 - College Mathematics (3) or higher

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (9 semester hours)

- ☐ MASS 110 - Mass Media: Impact and History (3)

Two consecutive classes in the same foreign language. FLAS 114 & 115 will NOT fulfill this requirement.

- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

**MASS COMMUNICATION MEDIA STRATEGIES & APPLICATIONS REQUIREMENTS** (44 semester hours)

**Mass Communication Core** (20 semester hours)

- ☐ MASS 140 - Media Theory Introduction (3)
- ☐ MASS 144 - Multimedia Storytelling (3)
- ☐ MASS 213 - Introduction to Media Writing (3)
- ☐ MASS 310 - Media Law and Ethics (3)
- ☐ MASS 397 - Practicum (1)
- ☐ MASS 494 - ~~Seminar, Theory and Research~~ (3) **Advanced Theory and Research Seminar: Advanced Theory and Research**
- ☐ MASS 498 - Senior Project Portfolio (1)
- ☐ MASS 499 - Internship (3) (Student may take more than 3 hours of Internship. Any hours beyond 3 may be included in the general Elective category)

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**Strategy Courses** (12 semester hours)

Select at least four of the following courses:

- MASS 251 - Mass Media - Advertising and Promotions (3)
- MASS 313 - Broadcast Journalism Reporting (3)
- MASS 315A - Specialized Writing for Media: Science (3)
- MASS 315B - Specialized Writing for Media: Sports (3)
- MASS 315C - Specialized Writing for Media: Health (3)
- MASS 315D - Specialized Writing for Media: Crime (3)
- MASS 317 - Writing Opinion for Impact (3)
- MASS 350 - Public Relations Concepts (3)
- MASS 357 - Documentary and News Producing (3)
- MASS 415 - Advanced Media Writing and Reporting (3)
- MASS 417 - Writing for Public Relations and Advertising (3)
- MASS 450 - Public Relations Campaigns (3)

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**Application Courses** (12 semester hours)

Select at least four of the following courses:

- MASS 261 - Audio Announcing and Production (3)
- MASS 271 - Video Production (3)
- MASS 342 - Photojournalism I (3)
- MASS 352 - ~~Design and Editing for Print~~ (3) **Print Design & Production for Editors**
- MASS 357 - Documentary and News Producing (3)
- MASS 372 - TV Studio Production (3)
- MASS 441 - Emerging Media (3)
- MASS 442 - Photojournalism II (3)
- MASS 452 - Designing for Brand and Message (3)
- MASS 471 - Advanced Video Production (3)

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**ELECTIVES**

All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours.  
(30 semester hours: 5-14 semester hours of upper division may be needed.)

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## SUGGESTED COURSE SEQUENCING

### Freshman Year, Fall Semester: 16 credits

- ENGL 111 - English Composition (3)
- MATH 110 - College Mathematics or higher
- Essential Learning - Humanities (3)
- Essential Learning - Social and Behavioral Science (3)
- MASS 110 - Mass Media: Impact and History (3)
- KINE 100 - Health and Wellness (1)

### Freshman Year, Spring Semester: 15 credits

- ENGL 112 - English Composition (3)
- Essential Learning - Natural Science (3)
- Essential Learning - Social and Behavioral Science (3)
- MASS 140 - Media Theory Introduction (3)
- MASS 144 - Multimedia Storytelling (3)

### Sophomore Year, Fall Semester: 16 credits

- Essential Learning - Fine Arts (3)
- Essential Learning - History (3)
- Foundation Course - Foreign Language (3)
- MASS 213 - Introduction to Media Writing (3)
- Essential Learning - Natural Science with Lab (4)

### Sophomore Year, Spring Semester: 14 credits

- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- Foundation Course - Foreign Language (3)
- Strategy or Application courses (2 courses) (6)
- KINA Activity (1)

### Junior Year, Fall Semester: 16 credits

- MASS 310 - Media Law and Ethics (3)
- MASS 397 - Practicum (1)
- Strategy or Application (2 courses) (6)
- Electives (2 courses) (6)

### Junior Year, Spring Semester: 15 credits

- Strategy or Application (2 courses) (6)
- Electives (3 courses) (9)

### Senior Year, Fall Semester: 15 credits

- Strategy or Application (2 courses) (6)
- Electives (3 courses) (9)

### Senior Year, Spring Semester: 13 credits

- MASS 494 - ~~Seminar, Theory and Research~~ (3) Seminar: Advanced Theory and Research
- MASS 498 - Senior Project Portfolio (1)
- MASS 499 - Internship (3)
- Electives (2 courses) (6)

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Department: PES - GEOL

Program Modification

Geosciences-Environmental Geology: 3473

Degree Type: BS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

The current program sheet directs the student to take one course from a specific subset of the courses that CMU allows for fulfillment of the Essential Learning Natural Science lab course requirement. The new program sheet has modified wording that recommends the courses in that subset rather than requires them.

Justification:

The modification is needed to bring us into compliance with current CCHE and CMU policies.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

NA

Proposed by: Russ Walker

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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## 2018-2019 PROGRAM REQUIREMENTS

**Degree: Bachelor of Science**

**Major: Geosciences**

**Concentration: Environmental Geology**

### About This Major . . .

The Bachelor of Science degree with a major in Geosciences and a concentration in Environmental Geology is designed for students who (1) desire a strong liberal arts education with emphasis on environmental issues within the earth sciences, (2) wish to pursue a graduate degree in environmental geology, or (3) desire a professional or technical geoscience career. The Environmental Geology option has the same basic framework as the Geology concentration with a stronger emphasis on geologic hazards, ground-water and surface-water hydrology, biological systems, and environmental science. Recent graduates are attending graduate programs at major universities or have entered the work force as geological technicians or professional geologists.

Most classes have a strong field component so that students benefit from the diverse geological setting of the Grand Junction area. Equipment available includes hydrologic research equipment such as flow meters, stream tables, surveying equipment, and GPS units. Students engage in a capstone research project/thesis during their senior year that involves independent research and the completion of a professional report and presentation. This capstone experience develops professional skills and provides students with a portfolio of their work for future employers or graduate schools.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Articulate the fundamental knowledge base and ideas of the major fields of geoscience. (Specialized Knowledge)
2. Collect and interpret geoscience field data. (Applied Learning/Critical Thinking)
3. Collect and interpret geoscience laboratory data. (Applied Learning/Critical Thinking)
4. Use technology (e.g. computer software) for evaluating quantitative geoscience data. (Quantitative Fluency)
5. Write an effective report on a geoscience study. (Communication Fluency)
6. Give an effective oral presentation on a geoscience study. (Communication Fluency)

### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- Either GEOL 111/111L or GEOL 113/113L may be taken for credit, but not both.
- Either PHYS 111/111L or PHYS 131/131L may be taken for credit, but not both.
- A "C" or higher is required in all major and foundation courses.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 151 - Calculus I (5)  
3 credits apply to the Essential Learning Requirements and 2 credits apply to Foundation Courses

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course ~~with a lab (334)~~
- ☐ ~~Select one of the following sets of courses:~~ Select one Natural Science Course with a lab (4): We recommend selecting one of the following sets of courses, with BIOL 105/105L, PHY 132/132L, or CHEM 132/132L as the best choices for students interested in attending graduate school:
  - BIOL 102 - Plant and Animal Biodiversity (3) with BIOL 102L - Plant and Animal Biodiversity Laboratory (1)
  - BIOL 105 - Attributes of Living Systems (3) with BIOL 105L - Attributes of Living Systems Laboratory (1)
  - PHYS 112 - General Physics II (4) with PHYS 112L - General Physics Laboratory (1)
  - PHYS 132 - Electromagnetism and Optics (4) with PHYS 132L - Electromagnetism and Optics Laboratory (1)
  - CHEM 132 - General Chemistry II (4) with CHEM 132L - General Chemistry II Laboratory (1)

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**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (15 semester hours, must earn a grade of "C" or better in each course.)

- ☐ CHEM 131 - General Chemistry I (4)
- ☐ CHEM 131L - General Chemistry I Laboratory (1)
- ☐ Select one of the following sets of courses:
  - PHYS 111 - General Physics I (4) with PHYS 111L - General Physics I Laboratory (1)
  - PHYS 131 - Fundamental Mechanics (4) with PHYS 131L - Fundamental Mechanics Laboratory (1)
- ☐ STAT 200 - Probability and Statistics (3)
- ☐ MATH 151 - Calculus I (2)



**BS, GEOSCIENCES, ENVIRONMENTAL GEOLOGY REQUIREMENTS** (58 semester hours, must earn a grade of “C” or better in each course)

**Core** (39 semester hours)

- ☐ Select one of the following sets of courses:
  - GEOL 111 - Principles of Physical Geology (3) with GEOL 111L - Principles of Physical Geology Laboratory (1)
  - GEOL 113 - Field-Based Introduction to Geology (3) with GEOL 113L - Field-Based Introduction to Geology Laboratory (1)
- ☐ GEOL 112 - Principles of Historical Geology (3)
- ☐ GEOL 112L - Principles of Historical Geology Laboratory (1)
- ☐ GEOL 202 - Introduction to Field Studies (3)
- ☐ GEOL 204 - Computer Applications in Geology (3)
- ☐ GEOL 301 - Structural Geology (3) with GEOL 301L - Structural Geology Laboratory (1)
- ☐ GEOL 331 - Crystallography and Mineralogy (3)
- ☐ GEOL 331L - Crystallography and Mineralogy Laboratory (1)
- ☐ GEOL 402 - Applications of Geomorphology (3)
- ☐ GEOL 402L - Applications of Geomorphology Laboratory (1)
- ☐ GEOL 444 - Stratigraphy and Sedimentation (3)
- ☐ GEOL 444L - Stratigraphy and Sedimentation Laboratory (1)
- ☐ GEOL 480 - Summer Field Camp (6)
- ☐ GEOL 490 - Seminar (3)

**Required Geology Courses** (10 semester hours)

- ☐ GEOL 250 - Environmental Geology (3)
- ☐ GEOL 355 - Basic Hydrology (3)
- ☐ GEOL 415 - Introduction to Ground Water (3)
- ☐ GEOL 415L - Introduction to Ground Water Laboratory (1)

**Restricted Electives** (9 semester hours from the following list. Either PHYS 112/112L or PHYS 132/132L may be taken for credit, but not both. Eight hours of Restricted and General Electives must be upper division.)

- GEOL 325 - Introduction to Engineering Geology (3)
- GEOL 351 - Applied Geochemistry (3)
- GEOL 359 - Survey of Energy-Related Natural Resources (3)
- GEOL 361 - Survey of Mineral-Related Natural Resources (3)
- GEOL 370 - Renewable Energy (3)
- GEOL 394 - Natural Resources of the West (1)
- GEOL 404 - Geophysics (3) with GEOL 404L Geophysics Laboratory (1)
- GEOL 443 - Field-Based Depositional Systems (3) with GEOL 443L - Field Based Depositional Systems Laboratory (1)
- GEOL 455 - River Dynamics (3) with GEOL 455L - River Dynamics Laboratory (1)
- GEOL 497 - Structured Research (1-3)
- GIST 332 - Introduction to GIS (2) with GIST 332L - Introduction to GIS Laboratory (1)
- ENVS 312 - Soil Science and Sustainability (3) with ENVS 312L - Soil Science and Sustainability Laboratory (1)
- ENVS 313 - Characterization of Contaminated Sites (3) with ENVS 313L - Characterization of Contaminated Sites Laboratory (1)
- POLS 488 - Environmental Politics and Policy (3)
- CHEM 132 - General Chemistry (4) with CHEM 132L - General Chemistry Laboratory (1)
- MATH 152 - Calculus II (5)
- STAT 311 - Statistical Methods (3)
- PHYS 112 - General Physics (4) with PHYS 112L General Physics Laboratory (1)
- PHYS 132 - Electromagnetism and Optics (4) with PHYS 132L - Electromagnetism and Optics Laboratory (1)

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**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours. 10 semester hours; additional hours of upper division may be needed. Eight hours of Restricted and General Electives must be upper division.)

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## SUGGESTED COURSE SEQUENCING

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### Freshman Year, Fall Semester: 15 credits

- ENGL 111 - English Composition (3)
- MATH 151 - Calculus I (5)
- GEOL 111/111L - Principles of Physical Geology (4) or GEOL 113/113L - Field-Based Introduction to Geology (4)
- Essential Learning - Humanities (3)

### Freshman Year, Spring Semester: 14 credits

- GEOL 112 - Principles of Historical Geology (3) with GEOL 112L - Principles of Historical Geology Laboratory (1)
  - ENGL 112 - English Composition (3)
  - Essential Learning - History (3)
  - Essential Learning - Social and Behavioral Sciences (3)
  - KINE 100 - Health and Wellness (1)
- 

### Sophomore Year, Fall Semester: 16 credits

- GEOL 202 - Introduction to Field Studies (3)
- GEOL 250 - Environmental Geology (3)
- CHEM 131 - General Chemistry I (4) with CHEM 131L - General Chemistry I Laboratory (1)
- PHYS 111/111L - General Physics I (5) or PHYS 131/131L - Fundamental Mechanics (5)

### Sophomore Year, Spring Semester: 16 credits

- GEOL 204 - Computer Applications in Geology (3)
  - STAT 200 - Probability and Statistics (3)
  - Essential Learning - Social and Behavioral Sciences (3)
  - Essential Learning - Natural Science (3)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
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### Junior Year, Fall Semester: 15 credits

- GEOL 301 - Structural Geology (3) with GEOL 301L - Structural Geology Laboratory (1)
- GEOL 331 - Crystallography and Mineralogy (3) with GEOL 331L - Crystallography and Mineralogy Laboratory (1)
- GEOL 355 - Basic Hydrology (3)
- Essential Learning - Natural Science with Lab (4)

### Junior Year, Spring Semester: 13 credits

- Essential Learning - Fine Arts (3)
  - Restricted Electives (4)
  - General Electives (6)
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### Senior Year, Fall Semester: 13 credits

- GEOL 402 - Applications of Geomorphology (3) with GEOL 402L - Applications of Geomorphology Laboratory (1)
- Restricted Electives (5)
- General Electives (4)

### Senior Year, Spring Semester: 12 credits

- GEOL 415 - Introduction to Ground Water (3) with GEOL 415L - Introduction to Ground Water Laboratory (1)
- KINA Activity (1)
- GEOL 444 - Stratigraphy and Sedimentation (3) with GEOL 444L - Stratigraphy and Sedimentation Laboratory (1)
- GEOL 490 - Seminar (3)

### Senior Year, Summer Semester: 6 credits

- GEOL 480 - Summer Field Camp (6)
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## Program Modification

### Geosciences-Geology: 3472

Degree Type: BS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

The current program sheet directs the student to take one course from a specific subset of the courses that CMU allows for fulfillment of the Essential Learning Natural Science lab course requirement. The new program sheet has modified wording that recommends the courses in that subset rather than requires them.

Justification:

The modification is needed to bring us into compliance with current CCHE and CMU policies.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

NA

Proposed by: Russ Walker

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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## 2018-2019 PROGRAM REQUIREMENTS

Degree: Bachelor of Science

Major: Geosciences

Concentration: Geology

### About This Major . . .

The Bachelor of Science degree with a major in Geosciences and a concentration in Geology is designed for students who (1) desire a strong liberal arts education with emphasis on the earth sciences, (2) wish to pursue a graduate degree in geology, or (3) desire a professional or technical geoscience career. Recent graduates are attending graduate programs at major universities or have entered the work force as geological technicians or professional geologists. Instruction takes place in a state-of-the-art science complex, which houses several instructional laboratories, a projects room, computer-applications laboratory, petrology-mineralogy laboratory, rock-storage facilities, and a sample preparation room. Most classes have a strong field component so that students benefit from the diverse geological setting of the Grand Junction area. Equipment includes research petrographic microscopes, binocular microscopes, x-ray diffractometer, x-ray fluorescence, GPS units, local seismic network, and a magnetometer. Computer facilities include PC systems with software for communications, database management, word-processing, geographical information systems (GIS), and geostatistics. Students engage in a capstone research project/thesis during their senior year that involves independent research and the completion of a professional report and presentation. Students develop professional skills and complete a portfolio of their work for future employers or graduate schools.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Articulate the fundamental knowledge base and ideas of the major fields of geoscience. (Specialized Knowledge)
2. Collect and interpret geoscience field data. (Applied Learning/Critical Thinking)
3. Collect and interpret geoscience laboratory data. (Applied Learning/Critical Thinking)
4. Use technology (e.g. computer software) for evaluating quantitative geoscience data. (Quantitative Fluency)
5. Write an effective report on a geoscience study. (Communication Fluency)
6. Give an effective oral presentation on a geoscience study. (Communication Fluency)

### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

#### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

#### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- Either GEOL 111/111L or GEOL 113/113L may be taken for credit, but not both.
- Either PHYS 111/111L or PHYS 131/131L may be taken for credit, but not both.
- A "C" or higher is required for all major and foundation courses.

**ESSENTIAL LEARNING REQUIREMENTS** (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 151 - Calculus I (5)  
3 credits apply to the Essential Learning Requirements and 2 credits apply to Foundation Courses

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course with a lab (4)
- ☐ Select one of the following sets of courses: Select one Natural Science Course with a lab (4): We recommend selecting one of the following sets of courses, with BIOL 105/105L, PHY 132/132L, or CHEM 132/132L as the best choices for students interested in attending graduate school:
  - BIOL 102 - Plant and Animal Biodiversity (3) with BIOL 102L - Plant and Animal Biodiversity Laboratory (1)
  - BIOL 105 - Attributes of Living Systems (3) with BIOL 105L - Attributes of Living Systems Laboratory (1)
  - PHYS 112 - General Physics II (4) with PHYS 112L - General Physics Laboratory (1)
  - PHYS 132 - Electromagnetism and Optics (4) with PHYS 132L - Electromagnetism and Optics Laboratory (1)
  - CHEM 132 - General Chemistry II (4) with CHEM 132L - General Chemistry II Laboratory (1)

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**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

**Essential Learning Capstone** (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

**FOUNDATION COURSES** (15 semester hours, must earn a grade of "C" or better in each course)

- ☐ CHEM 131 - General Chemistry I (4)
- ☐ CHEM 131L - General Chemistry I Laboratory (1)
- ☐ Select one of the following sets of courses:
  - PHYS 111 - General Physics I (4) with PHYS 111L - General Physics I Laboratory (1)
  - PHYS 131 - Fundamental Mechanics (4) with PHYS 131L - Fundamental Mechanics Laboratory (1)
- ☐ STAT 200 - Probability and Statistics (3)
- ☐ MATH 151 - Calculus I (2)





**BS, GEOSCIENCES, GEOLOGY REQUIREMENTS** (56 semester hours, must earn a grade of “C” or better in each course)

**Core** (39 semester hours)

- ☐ Select one of the following sets of courses:
  - GEOL 111 - Principles of Physical Geology (3) with GEOL 111L - Principles of Physical Geology Laboratory (1)
  - GEOL 113 - Field-Based Introduction to Geology (3) with GEOL 113L - Field-Based Introduction to Geology Laboratory (1)
- ☐ GEOL 112 - Principles of Historical Geology (3)
- ☐ GEOL 112L - Principles of Historical Geology Laboratory (1)
- ☐ GEOL 202 - Introduction to Field Studies (3)
- ☐ GEOL 204 - Computer Applications in Geology (3)
- ☐ GEOL 301 - Structural Geology (3)
- ☐ GEOL 301L - Structural Geology Laboratory (1)
- ☐ GEOL 331 - Crystallography and Mineralogy (3)
- ☐ GEOL 331L - Crystallography and Mineralogy Laboratory (1)
- ☐ GEOL 402 - Applications of Geomorphology (3)
- ☐ GEOL 402L - Applications of Geomorphology Laboratory (1)
- ☐ GEOL 444 - Stratigraphy and Sedimentation (3)
- ☐ GEOL 444L - Stratigraphy and Sedimentation Laboratory (1)
- ☐ GEOL 480 - Summer Field Camp (6)
- ☐ GEOL 490 - Seminar (3)

**Required Geology Courses** (8 semester hours)

- ☐ GEOL 340 - Igneous and Metamorphic Petrology (3)
- ☐ GEOL 340L - Igneous and Metamorphic Petrology Laboratory (1)
- ☐ GEOL 404 - Geophysics (3)
- ☐ GEOL 404L Geophysics Laboratory (1)

**Restricted Electives** (9 semester hours from the following list. Either PHYS 112/112L or PHYS 132/132L may be taken for credit, but not both. Seven hours of Restricted and General Electives must be upper division.)

- GEOL 250 - Environmental Geology (3)
- GEOL 325 - Introduction to Engineering Geology (3)
- GEOL 351 - Applied Geochemistry (3)
- GEOL 355 - Basic Hydrology (3)
- GEOL 359 - Survey of Energy-Related Natural Resources (3)
- GEOL 361 - Survey of Mineral-Related Natural Resources (3)
- GEOL 370 - Renewable Energy (3)
- GEOL 394 - Natural Resources of the West (1)
- GEOL 411 - Paleontology (3) with GEOL 411L - Paleontology Laboratory (1)
- GEOL 415 – Introduction to Ground Water (3) with GEOL 415L – Introduction to Ground Water Laboratory (1)
- GEOL 443 - Field-Based Depositional Systems (3) with GEOL 443L - Field Based Depositional Systems Laboratory (1)
- GEOL 455 - River Dynamics (3) with GEOL 455L - River Dynamics Laboratory (1)
- GEOL 497 - Structured Research (1-3)
- GIST 332 - Introduction to GIS (2) with GIST 332L - Introduction to GIS Laboratory (1)
- ENVS 312 - Soil Science and Sustainability (3) with ENVS 312L - Soil Science and Sustainability Laboratory (1)
- CHEM 132 - General Chemistry II (4) with CHEM 132L - General Chemistry II Laboratory (1)
- MATH 152 - Calculus II (5)
- STAT 311 - Statistical Methods (3)
- PHYS 112 - General Physics (4) with PHYS 112L General Physics Laboratory (1)
- PHYS 132 - Electromagnetism and Optics (4) with PHYS 132L - Electromagnetism and Optics Laboratory (1)
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**GENERAL ELECTIVES** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours. 12 semester hours; additional hours of upper division may be needed. Seven hours of Restricted and General Electives must be upper division.)

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## SUGGESTED COURSE SEQUENCING

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### Freshman Year, Fall Semester: 15 credits

- ENGL 111 - English Composition (3)
- MATH 151 - Calculus I (5)
- GEOL 111/111L - Principles of Physical Geology (4) or GEOL 113/113L - Field-Based Introduction to Geology (4)
- Essential Learning - Humanities (3)

### Freshman Year, Spring Semester: 14 credits

- GEOL 112 - Principles of Historical Geology (3) with GEOL 112L - Principles of Historical Geology Laboratory (1)
  - ENGL 112 - English Composition (3)
  - Essential Learning - History (3)
  - Essential Learning - Social and Behavioral Sciences (3)
  - KINE 100 - Health and Wellness (1)
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### Sophomore Year, Fall Semester: 16 credits

- GEOL 202 - Introduction to Field Studies (3)
- Essential Learning - Social and Behavioral Sciences (3)
- CHEM 131 - General Chemistry I (4) with CHEM 131L - General Chemistry I Laboratory (1)
- PHYS 111/111L - General Physics I (5) or PHYS 131/131L - Fundamental Mechanics (5)

### Sophomore Year, Spring Semester: 14 credits

- GEOL 204 - Computer Applications in Geology (3)
  - Essential Learning - Natural Science with Lab (4)
  - STAT 200 - Probability and Statistics (3)
  - ESSL 290 - Maverick Milestone (3)
  - ESSL 200 - Essential Speech (1)
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### Junior Year, Fall Semester: 14 credits

- Essential Learning - Natural Science (3)
- GEOL 301 - Structural Geology (3) with GEOL 301L - Structural Geology Laboratory (1)
- GEOL 331 - Crystallography and Mineralogy (3) with GEOL 331L - Crystallography and Mineralogy Laboratory (1)
- General Electives (3)

### Junior Year, Spring Semester: 16 credits

- GEOL 340 - Igneous and Metamorphic Petrology (3) with GEOL 340L - Igneous and Metamorphic Petrology Laboratory (1)
  - Essential Learning - Fine Arts (3)
  - General Electives (9)
- 

### Senior Year, Fall Semester: 13 credits

- GEOL 402 - Applications of Geomorphology (3) with GEOL 402L - Applications of Geomorphology Laboratory (1)
- Restricted Electives (9)

### Senior Year, Spring Semester: 12 credits

- GEOL 404 - Geophysics (3) with GEOL 404L Geophysics Laboratory (1)
- KINA Activity (1)
- GEOL 444 - Stratigraphy and Sedimentation (3) with GEOL 444L - Stratigraphy and Sedimentation Laboratory (1)
- GEOL 490 - Seminar (3)

### Senior Year, Summer Semester: 6 credits

- GEOL 480 - Summer Field Camp (6)
-

Department: PES - GIST

Program Modification

Geographic Information Science and Technology: M752

Degree Type: Minor

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Addition of a restricted elective - a new course in Social and Behavioral Sciences - GEOG 341 GIS for Social Scientists (2) and GEOG 341L GIS for Social Scientists Laboratory (1)

Justification:

The new course expands the opportunities for students in this program to learn and apply application of GIS in new areas.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Social and Behavioral Sciences, August 2, 2017 (Department Head) and August 31, 2017 (History Faculty) - agree with new course offering.

Physical and Environmental Sciences, September 13, 2017 (GIS &T Professors) - agree with new course offering and addition to this program as a restricted elective.

Proposed by: Tammy E. Parece

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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## 2018-2019 PROGRAM REQUIREMENTS

### Minor: Geographic Information Science and Technology

#### About This Minor. . .

The Physical and Environmental Sciences (PES) Department at Colorado Mesa University offers a minor in Geographic Information Science and Technology. The courses are open to all students interested in broadening their knowledge and enhancing job-related skills in a rapidly expanding market of computer-based technology. The multidisciplinary nature of the Geographic Information science and technology allows students from a wide variety of fields to participate in this exciting program.

Geographic Information Science and Technology includes Geographic Information Systems, Global Positioning Systems, and Remote Sensing. A geographic information system (GIS) is a computer-based tool for mapping and analyzing geospatial data. GIS technology is a subset of information systems where the databases consists of features, activities, or events that are definable in space as points, lines, or areas. GPS (Global Positioning System) is a satellite system that allows users to collect precise geographic data for use in mapping. Remote sensing refers to any technique whereby information about objects and the environment is obtained from a distance, such as from aircraft or satellites. Remote sensing often permits us to greatly expand our spectral view of the earth and "see" the world much more clearly than we can with the unaided eye.

Demand is strong for people who are trained in Geographic Information Science and Technology. This minor will assist students in securing jobs in this rapidly growing field. GIS/GPS can be used for cartography, business, biology, geology, environmental science, history, archeology, and criminal justice.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/gist/index.html>

#### Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a minor. Meeting with an academic advisor is essential in planning courses and developing a suggested course sequencing. It is ultimately the student's responsibility to understand and fulfil the requirements for her/his intended minor.

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a minor. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head for the minor. Discrepancies in requirements should be reported to the Registrar's Office.

#### Graduation Process

A minor cannot be awarded by itself. It must be combined with a baccalaureate degree outside the major field of study. Students should follow the graduation process outlined for the baccalaureate degree and list their majors and minors on the "Intent to Graduate" form.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL MINOR REQUIREMENTS**

The following institutional requirements apply to all CMU minors. Specific programs may have different requirements that must be met in addition to institutional requirements.

- A minor consists of 15-24 semester hours. There may be prerequisites required for the minor which will increase the total number of credit hours for a student who has not already taken those prerequisites.
- Courses taken to satisfy Essential Learning, major requirements, or electives **can** be counted toward the minor if applicable.
- At least 33 percent of the credit hours required for the minor must be in courses numbered 300 or above.
- At least 25 percent of the classes must be taken at CMU.
- 2.00 cumulative GPA or higher for the courses used for the minor.
- A minor is not a degree by itself and must be earned at the same time as a baccalaureate degree.
- A minor must be outside the major field of study.
- A student may earn up to five minors with any baccalaureate degree at CMU.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements sheet you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC MINOR REQUIREMENTS**

- 16-18 semester hours for the Minor in Geographic Information Science and Technology.

### **REQUIRED COURSES FOR THE GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY MINOR** (16-18 semester hours)

- ☐ One of the following courses:
  - GIST 305 – Cartography for GIS (1)
  - GEOG 131 – Introduction to Cartography (3)
- ☐ GIST 332 – Introduction to Geographic Information Systems (2)
- ☐ GIST 332L – Introduction to Geographic Information Systems Laboratory (1)
- ☐ GIST 422 - GIS Data Management and Editing (2)
- ☐ GIST 422L - GIS Data Management and Editing Laboratory (1)
- ☐ GIST 432 - Spatial Analysis and Modeling in GIS (2)
- ☐ GIST 432L - Spatial Analysis and Modeling in GIS Laboratory (1)

Choose a minimum of six semester hours from the following:

- ☐ CIVE 212 - Introduction to Geomatics (3)
- ☐ CSCI 110 - Beginning Programming (3) (must be Python section)
- ☐ GEOG 341 – GIS for Social Scientists (2)
- ☐ GEOG 341L – GIS for Social Scientists Lab (1)
- ☐ GIST 321 – Introduction to Remote Sensing (2)
- ☐ GIST 321L – Introduction to Remote Sensing Laboratory (1)
- ☐ GIST 375 – Global Positioning Systems for GIS (2)
- ☐ GIST 375L - Global Positioning Systems for GIS Laboratory (1)
- ☐ XXXX 395 - Independent Study (must have a GIS focus and be approved by the GIS program advisor)
- ☐ XXXX 495 - Independent Study (must have a GIS focus and be approved by the GIS program advisor)
- ☐ XXXX 497 - Structured Research (must have a GIS focus and be approved by the GIS program advisor)

Course Modifications

PSYC 435

Intended semester to offer modified course for the 1st time: Spring 2019

	Current	Proposed
Course Prefix:	PSYC	
Course No.:	435	
Credit Hours:	3	
Course Title:	Applied Social Psychology	
Times for Credit:	1	1
Prerequisites:		
	Current: PSYC 150 and PSYC 320	
	Proposed: PSYC 150 and junior or senior standing	
Requirement or listed choice for any program of study:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Change affects program sheet or grad requirements:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Justification:

Previous offerings resulted in low course enrollment. By changing the pre-requisite to a course and status that all psychology majors must take and fulfill, more students will be able to take PSYC 435. Also, because the course was changed from "Advanced Social Psychology," in which PSYC 320 (Social Psychology) was a necessary prerequisite, to "Applied Social Psychology," there is no longer a need to require PSYC 320 prior to enrolling in PSYC 435. Whereas, Advanced Social Psychology took on a more in-depth exploration of foundational social psychology concepts, Applied Social Psychology instructs students on how some of the fundamental concepts in social psychology apply to social issues. These concepts are defined and then emphasized in the application to various outcomes. Overall, the pedagogical difference between Applied Social Psychology from the previous Advanced Social Psychology relinquish the need to establish PSYC 320 as a prerequisite.

Discussions with affected departments:

Discussion about the low enrollments of PSYC 435 with all psychology department colleagues took place on April 14, 2017. As a whole, the department recommended changing the pre-requisites in order to open up registration to more psychology students.

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Proposed by: Brian Parry

Expected Implementation: Fall 2018

Department: WCCC - AGRS

Program Modification

Agriculture Science: 2341

Degree Type: AS

Revision to program sheet: Yes ☒ No ☐

Description of modification:

Remove BIOL 203 from the program sheet as an elective option.

Justification:

BIOL 203 is being deleted as a course from the Department of Biological Sciences. The Department of Kinesiology will begin teaching the course as KINE 203 but Christine Murphy felt as though the course does not need to be on the program sheet as an elective option.

Revision to SLOs: Yes ☐ No ☒

Other changes: Yes ☐ No ☒

Discussions with affected departments:

Spoke with Christine Murphy on December 15, 2017.

Proposed by: Jeremy Hawkins

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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## **2018-2019 PROGRAM REQUIREMENTS**

**Degree: Associate of Science**

**Major: Agricultural Science**

### **About This Major . . .**

The Agriculture Science curriculum is designed to provide students the fundamentals of agriculture and related business practices. With this degree, students will be well positioned to transfer into a bachelor degree program in agriculture. Graduates are qualified for employment in a variety of positions associated with sustainable agriculture, including horticultural and livestock operations, wholesale and retail management, nursery operations, and environmental and agricultural education.

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply business communication using listening, verbal and written, and electronic forms that are needed for entry level employment (communication fluency).
2. Apply Mathematical and applied physics concepts for industry to meet employment requirements (quantitative fluency).
3. Research, evaluate, synthesize and apply information/data relevant to business, sciences, and technical careers (specialized knowledge).
4. Demonstrate knowledge of terminology, symbols, business practices, and principles and application of associated technical skills (critical thinking).
5. Perform the necessary applied skill sets to fulfill the needs of entry level employment (applied learning).
6. Demonstrate ethical, civic, and work place responsibility as part of professional behavior (specialized knowledge).

### **Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU/WCCC Associate of Science (AS) degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours total.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU/WCCC.
- 2.00 cumulative GPA or higher in all CMU/WCCC coursework.
- A grade of “C” or higher must be earned in all Essential Learning courses in order to be accepted for transfer under the Colorado Core Transfer Consortium General Education curriculum or gtPathways, Colorado’s guaranteed transfer program.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 15 semester credit hours for an associate of science degree; A maximum of 6 of the 15 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

Institutional degree requirements listed above are sufficient for this major.

**ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)**

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

**English** (6 semester hours, must receive a grade of “C” or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

**Mathematics** (3 semester hours)

- ☐ MATH 110 – College Mathematics (3) or higher

**Humanities** (3 semester hours)

- ☐ Select one Humanities course (3)

**Social and Behavioral Sciences** (6 semester hours)

- ☐ Select one Social and Behavioral Sciences course (3)
- ☐ Select one Social and Behavioral Sciences course (3)

**Natural Sciences** (7 semester hours, one course must include a lab)

- ☐ Select one Natural Sciences course (3)
- ☐ Select one Natural Sciences course with a lab (4)

**History** (3 semester hours)

- ☐ Select one History course (3)

**Fine Arts** (3 semester hours)

- ☐ Select one Fine Arts course (3)

**OTHER LOWER-DIVISION REQUIREMENTS**

**Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

## **AS: AGRICULTURE SCIENCE REQUIREMENTS**

### **Agriculture Courses (17 semester hours)**

- ☐ AGRS 100 - Practical Crop Production (3)
- ☐ AGRS 100L - Practical Crop Production Laboratory (1)
- ☐ AGRS 102 - Agriculture Economics (3)
- ☐ AGRS 105 - Animal Science (3)
- ☐ AGRS 205 - Farm and Ranch Management (3)
- ☐ AGRS 240 - Introduction to Soil Science (3)
- ☐ AGRS 240L - Introduction to Soil Science Laboratory (1)

### **Restricted Electives (7 semester hours)**

Select at least 7 semester hours from the following list. See advisor for recommended tracks.

#### **Animal Science Courses:**

- AGRS 225 - Feeds and Feeding (4)
- AGRS 230 - Farm Animal Anatomy and Physiology (3)
- AGRS 250 - Live Animal & Carcass Evaluation (1)
- AGRS 250L - Live Animal & Carcass Evaluation Laboratory (2)
- AGRS 288 - Livestock Practicum (1)
- AGRS 288L - Livestock Practicum Laboratory (1)
- AGRS 296 - Topics: Sustainable Agriculture Practices (1-3)

#### **Soil and Crop Science Courses:**

- ACCT 201 - Principles of Financial Accounting (3)
- AGRS 103 - Introduction to Entomology (2)
- AGRS 103L - Introduction to Entomology Laboratory (1)
- AGRS 110 - Integrated Pest Management (3)
- AGRS 210 - Agricultural Marketing (3)
- AGRS 260 - Plant Propagation (3)
- AGRS 296 - Topics: Sustainable Agriculture Practices (1-3)
- ~~BIOL 203 - Human Nutrition (3)~~
- PHYS 100 - Concepts of Physics (3)

#### **Agriculture Business Courses:**

- AGRS 208 - Agricultural Finance (3)
- AGRS 210 - Agricultural Marketing (3)
- GISB 101 - Business Info Technology (3)

#### **Agriculture Education Courses:**

- AGRS 210 - Agricultural Marketing (3)
- AGRS 225 - Feeds and Feeding (4)
- AGRS 118 - Farm Structures and Green Houses (3)

- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
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### **ELECTIVES (3 semester hours)**

- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

## SUGGESTED COURSE SEQUENCING

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### **Freshman Year, Fall Semester: 15 credits**

- AGRS 100 - Practical Crop Production (3) and AGRS 100L - Practical Crop Production Laboratory (1)
- AGRS 105 - Animal Science (3)
- ENGL 111 - English Composition (3)
- Essential Learning - Natural Science with lab (4)
- KINE 100 - Health and Wellness (1)

### **Freshman Year, Spring Semester: 15 credits**

- Restricted Elective (3)
  - Essential Learning - Natural Science (3)
  - Elective (3)
  - ENGL 112 - English Composition (3)
  - MATH 110 - College Mathematics (3)
- 

### **Sophomore Year, Fall Semester: 16 credits**

- AGRS 102 - Agriculture Economics (3)
- AGRS 240 - Introduction to Soil Science (3) and AGRS 240L - Introduction to Soil Science Laboratory (1)
- Restricted Elective (3)
- Essential Learning - Humanities (3)
- Essential Learning - History (3)

### **Sophomore Year, Spring Semester: 14 credits**

- AGRS 205 - Farm and Ranch Management (3)
  - KINA Activity (1)
  - Essential Learning Fine Arts (3)
  - Restricted Elective (1)
  - Essential Learning Social and Behavioral Sciences (3)
  - Essential Learning Social and Behavioral Sciences (3)
- 

Students that intend to continue with Colorado Mesa University should take ESSL 290 Maverick Milestone and ESSL 200 Essential Speech during the final semester of their Associate of Science work.

Department: WCCC - GRNT

Program Additions

Gerontology Specialist

Degree Type: AAS

Abbreviated Name: Gerontology Specialist

Proposed by: Christine Murphy

Director of Teacher Education Signature:

Expected Implementation: Fall 2018

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**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Associate of Applied Science**  
**Major: Gerontology Specialist**

**About This Major . . .**

The Gerontology program is for individuals who wish to develop careers in the field of aging, those already employed or active in gerontology or related fields who wish to enhance their career paths, and those seeking challenging and meaningful career changes in response to new opportunities created by an aging society.

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

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**Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

## **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU/WCCC AAS degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours minimum.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU/WCCC.
- 2.00 cumulative GPA or higher in all CMU/WCCC coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 20 semester credit hours for an AAS degree.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

## **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

Institutional degree requirements listed above are sufficient for this program.

## **ESSENTIAL LEARNING REQUIREMENTS** (16 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

### **Communication** (6 semester hours)

- ☐ ENGL 111 - English Composition (3)
- ☐ Select one of the following courses:
  - ENGL 112 - English Composition (3)
  - SPCH 101 - Interpersonal Communication (3)
  - SPCH 102 - Speechmaking (3)

### **Mathematics** (3 semester hours)

- ☐ MATH 107 – Career Math (3) or higher

### **Other Essential Learning Core Courses** (7 semester hours)

- ☐ PSYC 233 Human Growth and Development (3)
- ☐ BIOL 101 General Human Biology (3)\*
- ☐ BIOL 101L General Human Biology Lab (1)\*

## **OTHER LOWER-DIVISION REQUIREMENTS**

### **Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)



**AAS: GERONTOLOGY SPECIALIST REQUIREMENTS (42 semester hours)**

- ☐ GRNT 110 - Introduction to Gerontology (3)
- ☐ GRNT 125 - Community Resources for Older Adults (3)
- ☐ GRNT 181 - Exploring the Field of Aging (2)
- ☐ GRNT 220 - Law and Ethics for Health Professions (2)
- ☐ GRNT 245 - Health and Aging (3)
- ☐ GRNT 247 - Applied Legal and Policy Issues in Aging (3)
- ☐ GRNT 250 - Death: Cross-cultural Perspectives (3)
- ☐ GRNT 260 - Technology for Aging Services (2)
- ☐ GRNT 270 - Neurology of Memory Loss (2)
- ☐ GRNT 280 - Management of Senior Living Communities (3)
- ☐ GRNT 294 - Gerontology Professional Seminar (1)
- ☐ GRNT 299 - Gerontology Internship (3)

**Restricted Electives**

Select 12 semester hours, chosen from the list below.

- GRNT 131 - Hospice Care (1)
- GRNT 165 - Activity Directory Training (2)
- GRNT 175 - The Aging Mind (2)
- GRNT 176 - Cognitive Activity Design (2)
- GRNT 177 – Arts and Cognitive Activity Design (1)
- GRNT 207 - Ethics and Aging (3)
- GRNT 233 - Supporting End of Life (3)
- GRNT 235 - Introduction to Dementia Care (3)
- GRNT 236 - Dementia Care Practices (1)
- GRNT 237 - End of Life Therapies/Practices (1)
- GRNT 240 - Care and Service Coordination (3)

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## SUGGESTED COURSE SEQUENCING

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### **Freshman Year, Fall Semester: 14 credits**

- ENGL 111 - English Composition (3)
- MATH 107 - Career Math (3)
- BIOL 101 - General Human Biology (3)
- BIOL 101L - General Human Biology Lab (1)
- GRNT 110 - Introduction to Gerontology (3)
- KINE 100 - Health and Wellness (1)

### **Freshman Year, Spring Semester: 17 credits**

- ENGL 112 - English Composition (3) or SPCH 101 - Interpersonal Communication (3) or SPCH 102 - Speechmaking (3)
  - GRNT 125 - Community Resources for Older Adults (3)
  - GRNT 181 - Exploring the Field of Aging (2)
  - GRNT 245 - Health and Aging (3)
  - Restricted Elective (2-3 courses) (6)
- 

### **Sophomore Year, Fall Semester: 16 credits**

- GRNT 220 - Law and Ethics for Health Professions (2)
  - GRNT 247 - Applied Legal and Policy Issues in Aging (3)
  - GRNT 250 - Death: Cross-cultural Perspectives (3)
  - GRNT 270 - Neurology of Memory Loss (2)
  - PSYC 233 - Human Growth and Development (3)
  - Restricted Elective (3)
- 

### **Sophomore Year, Spring Semester: 13 credits**

- GRNT 260 - Technology for Aging Services (2)
  - GRNT 280 - Management of Senior Living Communities (3)
  - GRNT 294 - Gerontology Professional Seminar (1)
  - GRNT 299 - Gerontology Internship (3)
  - KINA Activity (1)
  - Restricted Elective (3)
-