COLORADO MESA UNIVERSITY

Undergraduate Curriculum Committee
Meeting Minutes
February 23, 2017
3:30 pm, UC 222

Members Present: Diana Bailey, Lisa Driskell, Eric Elliott, Keith Fritz, Geoffrey Gurka, Jennifer Hancock, Glenn Hoff, Eliot Jennings, Scott Kessler, Jennifer LaBombard-Daniels, and Jill Van Brussel

Members Absent: Sean Flanigan

Ex-officio members present: Kurt Haas (AVPAA), Rose Petralia (Library), and Holly Teal (Registrar).

Guests: Maggie Bodyfelt (Registrar's Office); Barry Laga (Languages, Literature, and Mass Communication); Patti Ward (Health Sciences); Kristen Yun (Music) Russ Walker (Physical and Environmental Sciences); Jessica Herrick and Erika Jackson (Social and Behavioral Sciences); John McLaughlin (Western Colorado Community College).

Recording Secretary: Jessie Barnett

Chair Kessler called the meeting to order at 3:34

I. Announcements

A) Faculty Senate approved meeting minutes from 11/10/2016 on 2/2/2017
B) Faculty Senate approved meeting minutes from 12/16/2017 on 2/16/2017

Chair Kessler made the above announcements.

C) Approval of 1/26/17 Meeting Minutes (distributed via email)

Chair Kessler asked for a motion to approve last meeting's minutes. Dr. Jennings stated that there was an error – the motions to approve items from the Department of Business were attributed to Eric Elliot instead of to Elliot Jennings. **Motion to approve the 1/26/17 minutes with the noted** corrections (Gurka/Van Brussel). Motion carried.

II. Curriculum Proposals

Summary of committee actions on curriculum proposals begins on pg. 3.
Further details of proposals begin on pg.18.

III. Information Items

Chair Kessler noted that per the WCCC Curriculum Committee Minutes from 2/14/2017 the effective date for OFAD 291 will be extended through Fall 2018 to allow for the completion of the teach out plan.

IV. New Business

With no additional business, the meeting adjourned at 4:55.

Respectfully submitted,
Jessie Barnett
Recording Secretary

Summary of UCC Actions on Curriculum Proposals

2/23/2017

	Proposal	Committee Action	Members (motion/second)	Effective Date
1	Program Addition: BAS Interdisciplinary Studies	Approved	LaBombard-Daniels, Van Brussel	Fall 2017
	Dr. Kurt Haas provided an overview about this proposed BAS, which is designed for AAS completers to earn a 4-year degree even when there technical training does not fit with one of our current BAS majors. There was discussion regarding which department would provide oversight. Academic Affairs will provide administrative oversight, while oversight for each individual student's degree will be with the faculty advisor and department overseeing the individualized course of study.			
2	Course Modification: ARTE 102 Three - Dimensional Design	Approved	Hancock, Elliott	Fall 2017
	Updated catalog discussion. No concerns.			
3	Course Modification: MATH 110 College Math	Approved	Elliott, Gurka	Fall 2017
	Change in prerequisites.			
4	Course Modification: MATH 484 Senior Seminar I	Approved	Elliott, Gurka	Fall 2017
	Change in prerequisites.			
5	Program Modification: Minor Mathematics: M460	Approved	LaBombard-Daniels, Van Brussel	Fall 2017
	Updated program sheet to reflect new course options.			
6	Course Modification: NURS 388 Mental Health Nursing	Approved	Elliott, Gurka	Fall 2017
	Corrected prerequisites to include NURS 373/373L rather than the NURS 372L, which does not exist.			
7	Course Modification: NURS 388L Mental Health Nursing Clinical	Approved	Elliott, Gurka	Fall 2017
	Corrected prerequisites to include NURS 373/373L rather than the NURS 372L, which does not exist.			
8	Course Modification: NURS 394 Nursing Research: An Evidenced-Based Practice	Approved	Elliott, Gurka	Fall 2017
	Upated prerequisites.			
9	Course Modification: NURS 418 Gerontological Nursing and Chronic Illness	Approved	Elliott, Gurka	Fall 2017
	Upated prerequisites.			
10	Course Modification: NURS 432 Capstone Leadership for the RN	Approved	Elliott, Gurka	Fall 2017
	Upated prerequisites.			

	Proposal	Committee Action	Members (motion/second)	Effective Date
11	Program Modification: BSN Nursing-RN to BSN: 3613 Changes to program sheet to remove "Required Electives" section and to recommend a Natural Sciences course selection. No concerns.	Approved	Driskell, Hancock	Fall 2017
12	Program Addition: Professional Cert Computed Tomography No concerns.	Approved	Longest, Elliott	Fall 2017
13	Program Addition: Professional Cert Magnetic Resonance Imaging No concerns.	Approved	Longest, Elliott	Fall 2017
14	Course Addition: RADS 460 Principles of Magnetic Resonance Imaging No concerns.	Approved	Bailey, LaBombard-Daniels	Fall 2017
15	Course Addition: RADS 470 Applied Magnetic Resonance Imaging No concerns.	Approved	Bailey, LaBombard-Daniels	Fall 2017
159	Course Addition: RADS 471 Applied Computed Tomography No concerns.	Approved	Bailey, LaBombard-Daniels	Fall 2017
16	Course Modification: RADS 461 Principles of Computed Tomography Course was just added at the UCC meeting on 1/26/2017. The modification is to adjust the prerequisite language to account for the professional certificate being added today.	Approved	Driskell, Fritz	Fall 2017
17	Course Modification: RTEC 480 Clinical Specialization I No concerns.	Approved	Driskell, Fritz	Fall 2017
18	Course Modification: RTEC 490 Clinical Specialization II No concerns.	Approved	Driskell, Fritz	Fall 2017
19	Course Modification: RTEC 495 Independent Study No concerns.	Approved	Driskell, Fritz	Fall 2017
20	Course Deletion: RTEC 320 Informatics in Radiologic Science No concerns.	Approved	Driskell, Fritz	Fall 2017

Proposal		Committee Action	Members (motion/second)	Effective Date
21	Course Deletion: RTEC 325 Cross-Sectional Anatomy I No concerns.	Approved	Driskell, Fritz	Fall 2017
22	Course Deletion: RTEC 327 Cross Sectional Anatomy II No concerns.	Approved	Driskell, Fritz	Fall 2017
23	Course Deletion: RTEC 365 Advanced Patient Care No concerns.	Approved	Driskell, Fritz	Fall 2017
24	Course Deletion: RTEC 450 Specialization: Mammography I No concerns.	Approved	Driskell, Fritz	Fall 2017
25	Course Deletion: RTEC 452 Specialization: C/V Interventional Technology I No concerns.	Approved	Driskell, Fritz	Fall 2017
26	Course Deletion: RTEC 454 Specialization: Computed Tomography I No concerns.	Approved	Driskell, Fritz	Fall 2017
27	Course Deletion: RTEC 456 Specialization: Magnetic Resonance I No concerns.	Approved	Driskell, Fritz	Fall 2017
28	Course Deletion: RTEC 460 Quality Management and Health Care Law No concerns.	Approved	Driskell, Fritz	Fall 2018
29	Course Deletion: RTEC 470 Specialization: Mammography II No concerns.	Approved	Driskell, Fritz	Fall 2017
30	Course Deletion: RTEC 472 Specialization: C/V Interventional Technology II No concerns.	Approved	Driskell, Fritz	Fall 2017
31	Course Deletion: RTEC 474 Specialization: Computed Tomography II No concerns.	Approved	Driskell, Fritz	Fall 2017
32	Course Deletion: RTEC 476 Specialization: Magnetic Resonance II No concerns.	Approved	Driskell, Fritz	Fall 2017

	Proposal	Committee Action	Members (motion/second)	Effective Date
33	Course Deletion: RTEC 480 Clinical Specialization I	Approved	Driskell, Fritz	Fall 2018
	No concerns.			
34	Course Deletion: RTEC 490 Clinical Specialization II	Approved	Driskell, Fritz	Fall 2018
	No concerns.			
35	Course Deletion: RTEC 494 Capstone in Radiologic Science	Approved	Driskell, Fritz	Fall 2018
	No concerns.			
36	Program Modification: BAS Radiologic Technology: 3621	Approved	LaBombard-Daniels, Elliott	Fall 2017
	Modification related to broader restructurings and course prefix changes from RTEC to RADS.			
37	Program Deletion: AAS Radiologic Technology: 1621 Deletion	Approved	Bailey, Elliott	Fall 2017
	No concerns.			
38	Course Modification: KINA 102 Advanced Swimming	Approved	Elliott, Hoff	Fall 2017
	New name approved "Intermediate Swimming."			
39	Program Modification: BA English-Literature: 3212	Approved	Elliott, Hancock	Fall 2017
	No concerns.			
40	Program Modification: BA English-Secondary Education: 3213	Approved	Elliott, Hancock	Fall 2017
	No concerns.			
41	Program Modification: BA English-Writing: 3215	Approved	Elliott, Hancock	Fall 2017
	No concerns.			
42	Course Addition: MASS 357 Documentary & News Producing	Approved	Van Brussel, Elliott	Fall 2017
	No concerns.			
43	Course Modification: MASS 144 Multimedia Storytelling	Approved	Elliott, Gurka	Fall 2017
	No concerns.			
44	Course Modification: MASS 213 Introduction to Media Writing and Reporting	Approved	Elliott, Gurka	Fall 2017
	No concerns.			

	Proposal	Committee Action	Members (motion/second)	Effective Date
45	Course Modification: MASS 251 Mass Media: Advertising and Promotions No concerns.	Approved	Elliott, Gurka	Fall 2017
46	Course Modification: MASS 261 Audio Announcing and Production No concerns.	Approved	Elliott, Gurka	Fall 2017
47	Course Modification: MASS 397 Practicum No concerns.	Approved	Elliott, Gurka	Fall 2017
48	Course Modification: MASS 452 Designing for Brand and Message No concerns.	Approved	Elliott, Gurka	Fall 2017
49	Course Modification: MASS 494 Seminar, Theory and Research No concerns.	Approved	Elliott, Gurka	Fall 2017
50	Course Modification: MASS 499 Internship No concerns.	Approved	Elliott, Gurka	Fall 2017
51	Course Deletion: MASS 142 Software Applications No concerns.	Approved	LaBombard-Daniels, Bailey	Fall 2017
52	Course Deletion: MASS 319 Commercial Copy No concerns.	Approved	LaBombard-Daniels, Bailey	Fall 2017
53	Course Deletion: MASS 343 Social Media No concerns.	Approved	LaBombard-Daniels, Bailey	Fall 2017
55	Program Modification: BA Mass Communication-Media Strategies and Applications: 3256 No concerns.	Approved	Hancock, Elliott	Fall 2017
54	Program Modification: Minor Mass Communication: M250 No concerns.	Approved	Hancock, Elliott	Fall 2017
56	Course Modification: FLAS 421 Hispanic Poetry No concerns.	Approved	Hancock, Gurka	Fall 2017

Proposal	Committee Action	Members (motion/second)	Effective Date
57 Program Modification: Minor Spanish: M245	Approved	LaBombard-Daniels, Elliott	Fall 2017
No concerns.			
58 Course Addition: MUSP 320 Junior Recital	Approved	Elliott, Van Brussel	Fall 2017
No concerns.			
59 Course Modification: MUSA 130 Class Piano I	Approved	Hancock, Elliott	Fall 2017
No concerns.			
60 Course Modification: MUSA 131 Class Piano II	Approved	Hancock, Elliott	Fall 2017
No concerns.			
61 Course Modification: MUSA 230 Class Piano III	Approved	Hancock, Elliott	Fall 2017
No concerns.			
62 Course Modification: MUSA 231 Class Piano IV	Approved	Hancock, Elliott	Fall 2017
No concerns.			
65 Course Modification: MUSP 420 Senior Recital/Presentation	Approved	Hancock, Elliott	Fall 2017
No concerns.			
64 Program Modification: BM Music Performance: 3280	Approved	Van Brussel, LaBombard-Daniels	Fall 2017
No concerns.			
65 Program Modification: BME Music Education K-12: 3282	Approved	Van Brussel, LaBombard-Daniels	Fall 2017
No concerns.			
66 Program Deletion: Minor Music-Vocal: M211 Deletion	Tabled	Bailey, Gurka	
After closer reading of the explanation for this proposal, Chair Kessler suggested that a program modification proposal with a modified program sheet showing that one track will no longer be offered should be submitted, rather than a request to delete the minor.			
67 Course Deletion: BIOL 332 Introduction to GIS	Approved	Elliott, LaBombard-Daniels	Fall 2017
This was a cross-listed course that is no longer needed.			

Proposal		Committee Action	Members (motion/second)	Effective Date
68	Course Deletion: BIOL 332L Introduction to Geographic Information Ssystems Laboratory	Approved	Elliott, LaBombard-Daniels	Fall 2017
	No concerns.			
69	Program Modification: BS Biological Sciences-Ecology, Evolution and Organismal Biology: 3409	Approved	Longest, Bailey	Fall 2017
	No concerns.			
70	Course Addition: ENGL 325 Writing for Engineers	Approved	Hancock, Elliott	Fall 2017
	It was clarified that this course is specifically for Engineering students and that there is an existing 400-level more general science writing course that can fill the needs of majors from other disciplines.			
71	Course Addition: ENGR 317L Fundamentals of Circuits and Electronics Lab	Approved	LaBombard-Daniels, Elliott	Fall 2017
	No concerns.			
72	Course Modification: ENGR 317 Fundamentals of Circuits and Electronics	Approved	Gurka, Elliott	Fall 2017
	No concerns.			
73	Course Modification: ENGR 427 Engineering Measurements	Approved	Gurka, Elliott	Fall 2017
	No concerns.			
74	Course Modification: ENGR 445 MET Design Project I	Approved	Gurka, Elliott	Fall 2017
	No concerns.			
75	Program Modification: BS Mechanical Engineering Technology: 3453	Approved	Bailey, Gurka	Fall 2017
	No concerns.			
76	Course Addition: GEOL 443 Field-Based Depositional Systems	Conditionally Approved	Gurka, LaBombard-Daniels	Fall 2017
	Completion of ibrary assessment required for full approval.			
77	Course Addition: GEOL 443L Field-Based Depositional Systems Laboratory	Conditionally Approved	Gurka, LaBombard-Daniels	Fall 2017
	Completion of ibrary assessment required for full approval.			
78	Course Addition: GIST 422 GIS Data Management and Editing	Approved	Gurka, LaBombard-Daniels	Fall 2017
	No concerns.			

Proposal	Committee Action	Members (motion/second)	Effective Date
79 Course Addition: GIST 422L GIS data management and editing laboratory No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
80 Course Modification: GEOL 305 Cartography for GIS No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
81 Course Modification: GEOL 321 Introduction to Remote Sensing No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
82 Course Modification: GEOL 321L Introduction to Remote Sensing Laboratory No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
83 Course Modification: GEOL 332 Introduction to Geographic Information Systems No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
84 Course Modification: GEOL 332L Introduction to Geographic Information Systems Laboratory No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
85 Course Modification: GEOL 375 Global Positioning Systems for GIS No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
86 Course Modification: GEOL 375L Global Positioning Systems for GIS Laboratory No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
87 Course Modification: GEOL 432 Advanced GIS No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017
88 Course Modification: GEOL 432L Advanced GIS Laboratory No concerns.	Approved	Gurka, LaBombard-Daniels	Fall 2017

Proposal	Committee Action	Members (motion/second)	Effective Date
89 Course Deletion: ENVS 332 Introduction to Geographic Information Systems	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
90 Course Deletion: ENVS 332L Introduction to Geographic Information Systems Laboratory	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
91 Course Deletion: GEOL 445 Geodatabase Design	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
92 Course Deletion: GEOL 445L Geodatabase Design	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
93 Program Modification: BS Environmental Science and Technology: 3443	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
96 Program Modification: BS Geosciences-Environmental Geology: 3473	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
97 Program Modification: BS Geosciences-Geology: 3472	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
95 Program Modification: Minor Geographic Information Science and Technology: M752	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
94 Program Modification: Prof Cert Geographic Information Science and Technology: 1770	Approved	Gurka, LaBombard-Daniels	Fall 2017
No concerns.			
98 Course Modification: ARKE 325 Geoarchaeology	Approved	Jennings, Elliott	Fall 2017
No concerns.			

Proposal	Committee Action	Members (motion/second)	Effective Date
99 Program Modification: Minor Archaeology: M725	Approved	Jennings, LaBombard-Daniels	Fall 2017
No concerns.			
100 Program Modification: Prof Cert Cultural Resource Management: 1710	Approved contingent upon corrections	Jennings, Elliott	Fall 2017
At the request of the Registrar's Office, the program sheet will be corrected to list out individually all courses required for this certificate in place of "Sudents must complete the traditional Archaeology Minor AND take the following 12 hours".			
101 Program Modification: Minor International Studies: M753	Approved	Jennings, Gurka	Fall 2017
No concerns.			
102 Course Modification: POLS 201 Introduction to Politics	Approved	Jennings, Longest	Fall 2017
No concerns.			
103 Program Modification: BA Political Science: 3718	Approved	Jennings, Gurka	Fall 2017
No concerns.			
104 Program Modification: Minor Political Science: M730	Approved	Jennings, Gurka	Fall 2017
No concerns.			
105 Program Modification: BA Liberal Arts-Elementary Education, Social Science: 3251	Approved	Jennings, Elliott	Fall 2017
No concerns.			
106 Course Deletion: EDUC 485 Modes of Inquiry	Approved	Longest, Elliott	Fall 2017
No concerns.			
107 Course Deletion: EDUC 487 Literacy Education K-6	Approved	Longest, Elliott	Fall 2017
No concerns.			
108 Course Deletion: EDUC 488 Math Education K-6	Approved	Longest, Elliott	Fall 2017
No concerns.			
109 Course Deletion: EDUC 492A ITL 2: Directed Teaching: Elementary Education	Approved	Longest, Elliott	Fall 2017
No concerns.			

Proposal	Committee Action	Members (motion/second)	Effective Date
110 Course Deletion: EDUC 492B ITL 2: Directed Teaching: Secondary Education	Approved	Longest, Elliott	Fall 2017
No concerns.			
111 Program Modification: BA Early Childhood Education-Special Education	Approved	Hancock, LaBombard-Daniels	Fall 2017
New title approved: BA, Early Childhood Education, Early Childhood Special Education Concentration.			
112 Course Modification: DANC 180 Beginning Hip Hop Dance	Approved	Bailey, Hancock	Fall 2017
No concerns.			
113 Course Modification: DANC 181 Ballet I	Approved	Bailey, Hancock	Fall 2017
No concerns.			
114 Course Modification: DANC 182 Jazz I	Approved	Bailey, Hancock	Fall 2017
No concerns.			
115 Course Modification: DANC 183 Modern I	Approved	Bailey, Hancock	Fall 2017
No concerns.			
116 Course Modification: DANC 184 Tap I	Approved	Bailey, Hancock	Fall 2017
No concerns.			
117 Program Modification: BA Theatre Arts-Design/Technology: 3262	Approved	Elliott, Fritz	Fall 2017
No concerns.			
118 Program Modification: BFA Dance: 3267	Approved	Elliott, Fritz	Fall 2017
Proposal is to ensure that DegreeWorks is programmed to align with existing language on the program sheet. No new requirements.			
119 Program Modification: BFA Theatre Arts-Acting/Directing: 3260	Approved	Elliott, Fritz	Fall 2017
No concerns.			
120 Program Modification: BFA Theatre Arts-Music Theatre: 3263	Approved	Elliott, Fritz	Fall 2017
No concerns.			

Proposal	Committee Action	Members (motion/second)	Effective Date
121 Program Modification: Minor Dance: M220	Approved	Elliott, Fritz	Fall 2017
Proposal is to ensure that DegreeWorks is programmed to align with existing language on the program sheet. No new requirements.			
122 Course Addition: CUAR 220 Fundamentals of Healthy Cooking	Tabled	Hoff, Fritz	
Program faculty not in attendance.			
123 Course Modification: CUAR 160 Cake Decorating	Tabled	Hoff, Fritz	
Program faculty not in attendance.			
124 Course Deletion: CUAR 100 Culinary Program Fundamentals	Tabled	Hoff, Fritz	
Program faculty not in attendance.			
125 Program Modification: AAS Baking and Pastry: 1340	Tabled	Hoff, Fritz	
Program faculty not in attendance.			
126 Program Modification: AAS Culinary Arts: 1350	Tabled	Hoff, Fritz	
Program faculty not in attendance.			
127 Program Modification: Tech Cert (A-M) Baking and Pastry: 1140	Tabled	Hoff, Fritz	
Program faculty not in attendance.			
128 Program Modification: Tech Cert (A-M) Culinary Arts: 1351	Tabled	Hoff, Fritz	
Program faculty not in attendance.			
129 Program Modification: AAS Electric Lineworker: 1391	Tabled	Hoff, Longest	
This proposal has not yet been approved by the WCCC Curriculum Committee.			
131 Program Addition: AAS Information and Communication Technology	Approved	Bailey, Elliott	Fall 2017
No concerns.			
131 Program Addition: Technical Cert Information and Communication Technology: Healthcare Information Networking	Acknowledged	Bailey, Elliott	Fall 2017
No concerns.			
132 Program Addition: Technical Cert Information and Communication Technology: Network Technican	Acknowledged	Bailey, Elliott	Fall 2017
No concerns.			

Proposal	Committee Action	Members (motion/second)	Effective Date
133 Program Addition: Technical Cert Information and Communication Technology: Help Desk Technician No concerns.	Acknowledged	Bailey, Elliott	Fall 2017
134 Course Addition: TECI 111 Healthcare Data Management and Information Systems No concerns.	Approved	Elliott, Hoff	Fall 2017
135 Course Addition: TECI 131 Principles of Information Assurance No concerns.	Approved	Elliott, Hoff	Fall 2017
136 Course Addition: TECI 142 Internet of Things No concerns.	Approved	Elliott, Hoff	Fall 2017
137 Course Addition: TECI 165 Convergent Technologies No concerns.	Approved	Elliott, Hoff	Fall 2017
138 Course Addition: TECI 242 Cloud Computing No concerns.	Approved	Elliott, Hoff	Fall 2017
139 Course Modification: TECI 180 Cisco Networking 1 No concerns.	Approved	Hancock, Gurka	Fall 2017
140 Course Modification: TECI 185 Cisco Networking 2 No concerns.	Approved	Hancock, Gurka	Fall 2017
141 Course Modification: TECI 230 Cisco Networking 3 No concerns.	Approved	Hancock, Gurka	Fall 2017
142 Course Modification: TECI 235 Cisco Networking 4 No concerns.	Approved	Hancock, Gurka	Fall 2017
143 Course Deletion: TECI 251 Leadership No concerns.	Approved	Elliott, Gurka	Fall 2018
144 Course Deletion: TECI 290 Certification No concerns.	Approved	Elliott, Gurka	Fall 2018

Proposal	Committee Action	Members (motion/second)	Effective Date
145 Program Deletion: AAS Tech Integration-Network/Telecommunication Technician: 1328 Deletion No concerns.	Approved	Hoff, Elliott	Fall 2017
146 Program Deletion: Tech Cert Tech Integration-Network Technician: 1322 Deletion No concerns.	Acknowledged	Driskell, Gurka	Fall 2017
147 Program Deletion: Tech Cert Tech Integration-Telecommunication VoIP Technician: 1330 Deletion No concerns.	Acknowledged	Driskell, Gurka	Fall 2017
148 Program Deletion: Tech Cert (A-M) Manufacturing Supervision (not active 2016-17): 1339 Deletion No concerns.	Acknowledged	Hoff, Elliott	Fall 2017
149 Course Addition: MOAP 110 Medical Office Administration No concerns.	Approved	Bailey, Hoff	Fall 2017
150 Course Addition: MOAP 130 Medical Office Administration Insurance Billing and Coding No concerns.	Approved	Bailey, Hoff	Fall 2017
151 Program Modification: AAS Medical Office Assistant: 1396 No concerns.	Approved	Hancock, Elliott	Fall 2017
152 Program Modification: Tech Cert (A-M) Medical Office Assistant: 1158 This proposal has not yet been approved by the WCCC Curriculum Committee/	Tabled	Hoff, Hancock	
153 Course Deletion: OFAD 118 Introduction to PC Applications No concerns.	Approved	Hancock, Elliott	Fall 2017
154 Course Deletion: OFAD 249 Medical Office Procedures No concerns.	Approved	Hancock, Elliott	Fall 2017
155 Course Deletion: REEB 201 Real Estate Broker I No concerns.	Approved	Elliott, Hoff	Fall 2017
156 Course Deletion: REEB 202 Real Estate Broker II No concerns.	Approved	Elliott, Hoff	Fall 2017

Proposal	Committee Action	Members (motion/second)	Effective Date
157 Program Deletion: Tech Cert (N-Z) Real Estate Broker: 1130 Deletion	Acknowledged	Bailey, Elliott	Fall 2017
No concerns.			
158 Program Modification: AAS Water Quality Management: 1365	Approved	Hoff, Gurka	Fall 2017
No concerns.			

Curriculum Committee Proposal Summary

2/23/2017

Department: Academic Affairs

Program Additions

Interdisciplinary Studies

Degree Type: BAS

Abbreviated Name: Interdisciplinary Studies

Proposed by: Kurt Haas

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: Art and Design

Course Modifications

ARTE 102

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	ARTE	
Course No.:	102	
Credit Hours:	3	
Course Title:	Three - Dimensional Design	
Times for Credit:	1	1

Description for catalog:

Current: The principles of form and function in three - dimensional design with emphasis on color theory and use. Two hours of lecture and two hours of studio per week

Proposed: Introduction to principles of form and function in three - dimensional design with emphasis on materials, process, and craftsmanship.

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

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

Justification:

The current description for ARTE 102 was an error transposed from ARTE 101 sometime ago. This description error pre-dates the current faculty teaching this course. The use of color theory is not an accurate description of how ARTE102 is taught.

Proposed by: Araan Schmidt Expected Implemention: Fall 2017

Department: Computer Science, Mathematics and Statistics

Course Modifications

MATH 110

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MATH	
Course No.:	110	
Credit Hours:	3	
Course Title:	College Math	
Times for Credit:	1	1

Prerequisites:

Current: two years of high school math at the algebra level or higher, or MATC 091 or equivalent or appropriate mathematics placement test score.

Proposed: MATC 091 or equivalent or appropriate mathematics placement test score.

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

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

Justification:

We are removing the "two years of high school math at the algebra level or higher" as part of the prerequisite list. The other options in the list of prerequisites, including an "appropriate mathematics placement test score," are sufficient for determining placement into the proper math classes.

Discussions with affected departments:

NA

Proposed by: Lisa Driskell Expected Implemention: Fall 2017

Course Modifications

MATH 484

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MATH	
Course No.:	484	
Credit Hours:	2	
Course Title:	Senior Seminar I	
Times for Credit:	1	1

Prerequisites:

Current: consent of instructor

Proposed: MATH 452 or MATH 490 or MATH 366 or STAT 350

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

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

CSMS BS, Mathematics-Mathematics: 3424

CSMS BS, Mathematics-Statistics: 3434

Course is a requirement for a new program:

BS - Mathematics - Applied Mathematics

Justification:

The unwritten guidelines for instructor consent was that students would have passed one of the courses we are now listing as prerequisites. Making the prerequisites official will allow students to register without having to sign the add forms.

Discussions with affected departments:

NA

Proposed by: Lisa Driskell Expected Implemention: Fall 2017

Program Modification

Mathematics: M460

Degree Type: Minor

Revision to program sheet: Yes ☑ No ☐

Description of modification:

1. Include the new courses MATH 366 Methods of Applied Math II and MATH 466 Methods of Applied Math III in the list of electives for the minor.
2. Include MATH 225 Computational Linear Algebra as an option for the lower level required courses.
3. (clean up) Change the name of MATH 325 from Linear Algebra I to Linear Algebra and change the name of MATH 460 from Linear Algebra II to Advanced Linear Algebra to reflect the course modifications approved in January 2017.

Justification:

1. The new courses were approved in curriculum in January 2017 and the department agrees that these courses are suitable options for the degree electives.
2. MATH 225 Computational Linear Algebra is newly required for all concentrations in math and the course is a new prerequisite for MATH 325 Linear Algebra (approved January 2017). If students intend to take MATH 325 (an elective for the minor) we would like students to get credit toward the minor for taking the prerequisite MATH 225. Including MATH 225 also provides another route for the minor that will be particularly beneficial for students majoring in Computer Science.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Lisa Driskell

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: Health Sciences-Nursing

Course Modifications

NURS 388

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	NURS	
Course No.:	388	
Credit Hours:	3	
Course Title:	Mental Health Nursing	
Times for Credit:	1	1

Co-requisites:

Current: NURS 373 and NURS 372L and NURS 388L and NURS 394

Proposed: NURS 373/373L and NURS 388L and NURS 394

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

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

Justification:

NURS 372L is not a course. The correct course should be NURS 373L.

Proposed by: Diana Bailey Expected Implemention: Fall 2017

Course Modifications

NURS 388L

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	NURS	
Course No.:	388L	
Credit Hours:	2	
Course Title:	Mental Health Nursing Clinical	
Times for Credit:	1	1

Co-requisites:

Current: NURS 373 and NURS 372L and NURS 388 and NURS 394

Proposed: NURS 373/373L and NURS 388 and NURS 394

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

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

Justification:

NURS 372L is not a course. The correct course should be NURS 373L.

Proposed by: Diana Bailey Expected Implemention: Fall 2017

Course Modifications

NURS 394

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	NURS	
Course No.:	394	
Credit Hours:	3	
Course Title:	Nursing Research: An Evidenced-Based Practice	
Times for Credit:	1	1

Co-requisites:

Current: NURS 373 and NURS 372L and Nurs 388/388L

Proposed: NURS 373/373L and NURS 388/388L

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

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

Health Sciences BSN, Nursing

Justification:

NURS 372L is not a course. The correct course should be NURS 373L.

Proposed by: Diana Bailey Expected Implemention: Fall 2017

Course Modifications

NURS 418

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	NURS	
Course No.:	418	
Credit Hours:	3	
Course Title:	Gerontological Nursing and Chronic Illness	
Times for Credit:	1	1

Prerequisites:

Current: NURS 320/320L

Proposed: Removing NURS 320/320L as a prerequisite

Co-requisites:

Current: NURS 406, NURS 413, and NURS 422.

Proposed: Removing NURS 406 and NURS 413 and NURS 422 as co-requisites.

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

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

Justification:

NURS 406 is not a course in the RN-BSN program. This is an error.
NURS 413 is not a course in the RN-BSN program. This is an error.
NURS 422 is being removed as a co-requisite.
NURS 320/320L have been eliminated as prerequisites.

It was determined that NURS 418 did not use content from NURS 320/320L, so NURS 320/320L is being removed as a prerequist for NURS 418.

Proposed by: Diana Bailey Expected Implemention: Fall 2017

Course Modifications

NURS 432

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	NURS	
Course No.:	432	
Credit Hours:	4	
Course Title:	Capstone Leadership for the RN	
Times for Credit:	1	1

Prerequisites:

Current: Admission to the RN-BSN program and instructor permission.

Proposed:
NURS 300, NURS 320/320L, NURS 408, NURS 409, NURS 410/410L, NURS 422/422L, NURS 418, NURS 426, NURS 428, and NURS 430/430L

Requirement or listed choice for any program of study:	Yes	☑	No	☐
Change affects program sheet or grad requirements:	Yes	☐	No	☑

Justification:

NURS 432 is intended to be the last course taken in the RN-BSN program. What is currently in the catalog implies that if you have instructor permission, you can take the course earlier than the last course.

Proposed by: Diana Bailey Expected Implemention: Fall 2017

Program Modification

Nursing-RN to BSN: 3613

Degree Type: BSN

Revision to program sheet: Yes ☑ No ☐

Description of modification:

(1) The two required electives, NURS 408 and NURS 409, were move from the electives portion of the program sheet to the required section of the program sheet.
(2) The words "highly recommended" were added to BIOL 250/250L.

Justification:

(1) The program sheet was confusing. Students did not know what a "required elective" meant. Moving NURS 408 and NURS 409 to the required section will eliminate confusion.
(2) Students are frequently confused as to what natural science to take. We always recommend BIOL 250/250L. Adding this to the program sheet is a more effective way to direct students to sciences courses that will be of the greastest benefit for nursing students.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Debra Bailey spoke to Dr. Waring about BIOL 250/250L prior to making this change. BIOL 250/250L will now be offered each semester instead of fall only.

Proposed by: Diana Bailey

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: Health Sciences-Radiologic Sciences

Program Additions

Computed Tomography

Degree Type: Professional Cert

Abbreviated Name: CT

Proposed by: Patti Ward

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Additions

Magnetic Resonance Imaging

Degree Type: Professional Cert

Abbreviated Name: MRI

Proposed by: Patti Ward

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Course Additions

RADS 460 Credit Hours 2

Course Title: Principles of Magnetic Resonance Imaging

Abbreviated Title: Principles of MRI

Contact hours per week: Lecture 2 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 1500 Student preparation minutes: 3000

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

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

(Acceptance into the Bachelor of Applied Science program or Radiologic Sciences MRI Certificate program) (Registered radiologic technologist with minimum associate degree)

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

Co-requisites: Yes ☐ No ☑

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

Course is a requirement for a new program:

Professional Certificate in Magnetic Resonance Imaging

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 the operation of a magnetic resonance imaging (MRI) scanner. Includes magnetic resonance imaging instrumentation, safety, physics, and contrast media. Does not include clinical experience.

Justification:

This is an existing course in the BAS (RTEC 456, Magnetic Resonance I). Content in the course remains the same. The prefix, course number, name, and catalog description have been changed to align with the recently approved BSRS. This course will also be part of the new MRI professional certificate.

Topical course outline:

I. Instrumentation
II. Safety
III. Physics
IV. Contrast media

Student Learning Outcomes:

1. Breakdown the essential components of a magnetic resonance imaging scanner.
2. Discuss safety concerns specific to magnetic resonance imaging.
3. Evaluate patients and personnel using a magnetic resonance imaging screening form.
4. Explain the physics specific to magnetic resonance imaging.
5. Discuss the use of contrast media in magnetic resonance imaging.

Discussions with affected departments:

Course Additions

NA

Proposed by: Patti Ward

Expected Implementation: Fall 2017

Course Additions

RADS 470 Credit Hours 3

Course Title: Applied Magnetic Resonance Imaging

Abbreviated Title: Applied MRI

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 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

Prerequisite RADS 460

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

Co-requisites: Yes ☐ No ☑

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

Course is a requirement for a new program:

Professional Certificate in Magnetic Resonance Imaging

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:

Continuation of RADS 460. Development of knowledge and cognitive skills underlying the intelligent performance of tasks typically required of technologists who perform magnetic resonance imaging procedures. Includes patient care, image production, procedures, artifacts, and quality control. Does not include clinical experience.

Justification:

This is a course in the current BAS (RTEC 476, Magnetic Resonance II). Content in the course remains the same. The prefix, course number, name, and catalog description have been changed to align with the recently approved BSRS. This course will also be part of the new MRI professional certificate.

Topical course outline:

I. Patient Care
II. Image Production
III. Procedures
IV. Artifacts
V. Quality Control

Student Learning Outcomes:

1. Describe patient care issues relating to magnetic resonance imaging.
2. Outline the steps and parameters of magnetic resonance image production.
3. Summarize magnetic resonance imaging procedures including anatomy, set-up, and contrast media.
4. Evaluate magnetic resonance image quality.

Course Additions

5. Justify the implementation of magnetic resonance imaging quality control procedures.

Discussions with affected departments:

NA

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Additions

RADS 471 Credit Hours 3

Course Title: Applied Computed Tomography

Abbreviated Title: Applied CT

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 2018

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

RADS 461

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

Co-requisites: Yes ☐ No ☑

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

Course is a requirement for a new program:

Professional Certificate in Computed Tomography.

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:

Continuation of RTEC 461. Development of knowledge and cognitive skills underlying the intelligent performance of tasks typically required of technologists who perform computed tomography procedures. Includes patient care and safety, imaging procedures, and image assessment. Does not include clinical experience.

Justification:

This is an existing course in the BAS. The prefix and course number have been changed to align with the recently approved BSRS. This course will also be part of the new CT professional certificate.

Topical course outline:

I. Patient Assessment and Preparation
II. Imaging Procedures
III. Image Processing
IV. Image Quality
V. Artifact Recognition and Reduction

Student Learning Outcomes:

1. Outline potential patient care issues in computed tomography.
2. Summarize computed tomography procedures including anatomy, contrast media, and protocols.
3. Relate computed tomography instrumentation to computed tomography images.
4. Evaluate the quality of computed tomography images.
5. Compensate for computed tomography image artifacts.

Discussions with affected departments:

Course Additions

NA

Proposed by: Patti Ward

Expected Implementation: Fall 2017

Course Modifications

RADS 461

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

	Current	Proposed
Course Prefix:	RADS	
Course No.:	461	
Credit Hours:	2	
Course Title:	Principles of Computed Tomography	
Times for Credit:	1	1

Prerequisites:

Current:

Proposed: Acceptance into BSRS program
or BAS program
or CT Certificate program

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

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

Health Sciences BAS, Radiologic Technology: 3621

Course is a requirement for a new program:

BSRS (UCC Approved 1/26/17)Professional Certificate in Computed Tomography

Justification:

This course will be part of the BSRS, BAS, and certificate in computed tomography. This course was approved as a course addition on 1/26/17. By error acceptance into the certificate program was not included as a prerequisite for registering for this course, so the course modification is to adjust the prerequisite.

Proposed by: Patti Ward Expected Implemention: Fall 2017

Course Modifications

RTEC 480

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	RTEC	RADS
Course No.:	480	
Credit Hours:	3	4
Course Title:	Clinical Specialization I	
Contact hours:	Lecture Lab 10 Field Studio Other	Lecture Lab 12 Field Studio Other
Engage Min.:	7500	9000
Prep Min.:	3750	4500
Times for Credit:	1	1

Prerequisites:

Current: RTEC 450, 452, 454, and 456

Proposed: Prerequisite RADS 460 or 461
or
Can be taken concurrently

Description for catalog:

Current: Demonstration of clinical competency in Radiologic Technology specialty areas. Practical experience gained and demonstrations of competency in positioning, machine control, patient care and image quality in chosen specialty.

Proposed: Demonstration of clinical competency in Radiologic Science imaging modality. Practical experience gained and demonstrations of competency in positioning, machine control, patient care and image quality in chosen modality.

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

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

Course is a requirement for a new program:

Professional Certificate in Computed Tomography Professional Certificate in Magnetic Resonance Imaging

Justification:

In RTEC 480 and 490 students selected from one of four specializations (modalities). The current course outline includes two modalities that are being deleted (mammography and cardiac/vascular interventional). These courses are being deleted due to low enrollement. The course descriptions and student learning outcomes needed to be updated. Prerequisites for 490 remain the same, except for deletions of two modalities. The credit hours were increased from 3 to 4. When the course was offered for 3 credits, the ratio used was 50 hours to 1 credit. For consistency and to meet minimum requirements, the ratio of 45 hours to 1 credit is proposed. The additional credit gives students the time in clinical to meet competency requirements for the national registration and certification examination. The prefix has been changed to align with the recently approved BSRS.

Topical course outline, current:

1. Clinical Education Mammography
   A. Cooperative Work Experience
      1. Perform various mammographic procedures for ARRT competencies.

Course Modifications

2. Set up equipment for procedures
3. Patient Care Procedures
1. Scheduling
2. Patient Education
4. Image Critique Skills
B.Quality Assurance in Mammography

2. Clinical Education - Cardiac/Vascular-Interventional
A. Cooperative Work Experience
1. Perform various Cardiac/Vascular-Interventional procedures for ARRT competencies.
2. Set up equipment for procedures
3. Patient Care Procedures
a. Patient Education
b. Sterile Technique
c. Venipuncture
d. Patient Safety
4. Image Critique Skills
B. Quality Assurance in C/VI

3. Clinical Education - Computed Tomography
A. Cooperative Work Experience
1. Perform various Computed Tomography procedures for ARRT competencies
2. Set up equipment for procedures
3. Patient Care Procedures
1. Scheduling
2. Patient Education
4. Image Critique Skills
B. Quality Assurance in CT
4. Clinical Education in Magnetic Resonance
A. Cooperative Work Experience
1. Perform various MR procedures for ARRT competencies
2. Set up equipment for procedures
3. Patient Care Procedures
1. Scheduling
2. Patient Safety
3. Patient Education
4. Image Critique Skills
B. Quality Assurance in MR

Topical course outline, proposed:

I. Clinical Experience
II. Patient Safety
III. Image Analysis
IV.Quality Control

Student Learning Outcomes, current:

1. Demonstrate competency in discipline procedures.
2. Describe and perform sterile technique procedures.
3. Describe and perform specialized procedures related to the discipline.
4. Demonstrate competency in patient care related issues.
5. Identify pathology related to imaging in the specialty.
6. Review diagnostic images for quality and positioning.
7. Perform quality control test procedures on the equipment and quality assurance as related to the discipline.

Course Modifications

Student Learning Outcomes, proposed:

1. Demonstrate competency in discipline procedures.
2. Describe sterile technique procedures related to the discipline
3. Perform special procedures related to the discipline.
4. Demonstrate competency in patient care related issues.
5. Distinguish pathology related to imaging in the specialty.
6. Assess image quality.
7. Perform quality control test procedures.
8. Critically analyze written contributions to the body of knowledge in the radiologic sciences.

Discussions with affected departments:

NA

Proposed by: Patti Ward Expected Implemention: Fall 2017

Course Modifications

RTEC 490

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	RTEC	RADS
Course No.:	490	
Credit Hours:	3	4
Course Title:	Clinical Specialization II	
Contact hours:	Lecture Lab 10 Field Studio Other	Lecture Lab 12 Field Studio Other
Engage Min.:	7500	9000
Prep Min.:	3750	4500
Times for Credit:	1	1

Prerequisites:

Current: RTEC 450, 452, 454, or 456

Proposed: Prerequisite RADS 480
and
Prerequisite RADS 470 or 471
or can be taken concurrently

Description for catalog:

Current: Demonstration of clinical competency in the Radiologic Science specialty areas. Practical experience gained and demonstrations of competency in the areas of positioning, machine control, patient care and image quality in the speecialty area chosen.

Proposed: Continuation of RADS 480. Demonstration of clinical competency in Radiologic Science imaging modality. Practical experience gained and demonstrations of competency in positioning, machine control, patient care and image quality in chosen modality.

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

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

Course is a requirement for a new program:

Professional Certificate in Computed Tomography Professional Certificate in Magnetic Resonance Imaging

Justification:

In RTEC 480 and 490 students selected from one of four specializations (modalities). The current course outline includes two modalities that are being deleted (mammography and cardiac/vascular interventional). These courses are being deleted due to low enrollement. The course descriptions and student learning outcomes needed to be updated. RADS 480 was added as a prerequisite, because RADS 490 is a continuation of RADS 480. Additional prerequisites for 490 remain the same, except for deletions of two modalities. The credit hours were increased from 3 to 4. When the course was offered for 3 credits, the ratio used was 50 hours to 1 credit. For consistency and to meet minimum requirements, the ratio of 45 hours to 1 credit is proposed. The additional credit gives students the time in clinical to meet competency requirements for the national registration and certification examination. The prefix has been changed to align with the recently approved BSRS.

Topical course outline, current:

Course Modifications

1. Clinical Education Mammography
   A. Cooperative Work Experience
      1. Perform various mammographic procedures for ARRT competencies.
      2. Set up equipment for procedures
      3. Patient Care Procedures
         1. Scheduling
         2. Patient Education
      4. Image Critique Skills
   B.Quality Assurance in Mammography

2. Clinical Education - Cardiac/Vascular-Interventional
   A. Cooperative Work Experience
      1. Perform various Cardiac/Vascular-Interventional procedures for ARRT competencies.
      2. Set up equipment for procedures
      3. Patient Care Procedures
         a. Patient Education
         b. Sterile Technique
         c. Venipuncture
         d. Patient Safety
      4. Image Critique Skills
   B. Quality Assurance in C/VI

3. Clinical Education - Computed Tomography
   A. Cooperative Work Experience
      1. Perform various Computed Tomography procedures for ARRT competencies
      2. Set up equipment for procedures
      3. Patient Care Procedures
         1. Scheduling
         2. Patient Education
      4. Image Critique Skills
   B. Quality Assurance in CT
4. Clinical Education in Magnetic Resonance
   A. Cooperative Work Experience
      1. Perform various MR procedures for ARRT competencies
      2. Set up equipment for procedures
      3. Patient Care Procedures
         1. Scheduling
         2. Patient Safety
         3. Patient Education
      4. Image Critique Skills
   B. Quality Assurance in MR

Topical course outline, proposed:

I. Clinical Experience
II. Patient Safety
III. Image Analysis
IV. RQuality Control

Student Learning Outcomes, current:

1. Demonstrate competency in discipline procedures.
2. Describe and perform sterile technique procedures.
3. Describe and perform specialized procedures related to the discipline.
4. Demonstrate competency in patient care related issues.
5. Identify pathology related to imaging in the specialty.
6. Review diagnostic images for quality and positioning.

Course Modifications

7. Perform quality control test procedures on the equipment and quality assurance as related to the discipline.

Student Learning Outcomes, proposed:

1. Demonstrate competency in discipline procedures.
2. Describe sterile technique procedures related to the discipline.
3. Perform special procedures related to the discipline.
4. Demonstrate competency in patient care related issues.
5. Distinguish pathology related to imaging in the specialty.
6. Assess image quality.
7. Perform quality control test procedures.
8. Critically analyze written contributions to the body of knowledge in the radiologic sciences.

Proposed by: Patti Ward Expected Implemention: Fall 2017

Course Modifications

RTEC 495

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	RTEC	RADS
Course No.:	495	
Credit Hours:	1-3	
Course Title:	Independent Study	
Times for Credit:	1	1

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

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

Justification:

This change made to align with changes in prefix for the BAS in Radiologic Sciences

Discussions with affected departments:

NA

Proposed by: Patti Ward Expected Implemention: Fall 2017

Course Deletions

RTEC 320 Credit Hours 2

Course Title: Informatics in Radiologic Science

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 325 Credit Hours 2

Course Title: Cross-Sectional Anatomy I

Essential Learning Course: Yes ☐ No ☑

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

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

RTEC 327

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 327 Credit Hours 2

Course Title: Cross Sectional Anatomy II

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 365 Credit Hours 3

Course Title: Advanced Patient Care

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 450 Credit Hours 2

Course Title: Specialization: Mammography I

Essential Learning Course: Yes ☐ No ☑

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

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

RTEC 470, RTEC 480, RTEC 490

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

For several years this course has been cancelled due to lack of enrollment and will no longer be offered as a specialization.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 452 Credit Hours 2

Course Title: Specialization: C/V Interventional Technology I

Essential Learning Course: Yes ☐ No ☑

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

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

RTEC 472, RTEC 480, RTEC 490

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

For several years this course has been cancelled due to lack of enrollment and will no longer be offered as a specialization.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 454 Credit Hours 2

Course Title: Specialization: Computed Tomography I

Essential Learning Course: Yes ☐ No ☑

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

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

RTEC 476

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally,the course has been renamed.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 456 Credit Hours 2

Course Title: Specialization: Magnetic Resonance I

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 460 Credit Hours 3

Course Title: Quality Management and Health Care Law

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2018

Course Deletions

RTEC 470 Credit Hours 3

Course Title: Specialization: Mammography II

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

For several years this course has been cancelled due to lack of enrollment and will no longer be offered as a specialization.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 472 Credit Hours 3

Course Title: Specialization: C/V Interventional Technology II

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

For several years this course has been cancelled due to lack of enrollment and will no longer be offered as a specialization.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 474 Credit Hours 3

Course Title: Specialization: Computed Tomography II

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, the course has been renamed.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 476 Credit Hours 3

Course Title: Specialization: Magnetic Resonance II

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2017

Course Deletions

RTEC 480 Credit Hours 3

Course Title: Clinical Specialization I

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2018

Course Deletions

RTEC 490 Credit Hours 3

Course Title: Clinical Specialization II

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2018

Course Deletions

RTEC 494 Credit Hours 3

Course Title: Capstone in Radiologic Science

Essential Learning Course: Yes ☐ No ☑

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

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

To align the BAS with the new BSRS program, all BAS courses have new prefixes and most have new course numbers. Additionally, several of the courses have been renamed and the credits have been modified.

Proposed by: Patti Ward Expected Implementation: Fall 2018

Program Modification

Radiologic Technology: 3621

Degree Type: BAS

Modified Program Name: Radiologic Sciences

Modified Program Name: Rad Sc

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The name of the program is being changed from Radiologic Technology to Radiologic Sciences and all prefixes changed from RTEC to RADS. Some courses (RADS 452, RADS 453, RADS 461, RADS 462, and RADS 463) were recently approved for the Bachelor of Science in Radiologic Sciences. Clinical I and II (RADS 480 and 490) were changed from 3 credits to 4 credits each. The original courses were based on a 50 to 1 ratio. The modified courses are based on the recommended 45 to 1 ratio. To offset this change, one credit hour was added. RADS 460, RADS 470, and RADS 471 remain the same; except for course name, prefix, and updated course description changes.

Justification:

The Radiologic Sciences (formally Radiologic Technology) Program is undergoing a number of changes that effect each other. The program deleted the associate degree and replaced it with a Bachelor of Science in Radiologic Sciences (BSRS). Some courses (RADS 452, RADS 453, RADS 461, RADS 462, and RADS 463) in the BSRS will be offered online concurrent with students enrolled in the BAS. Additionally, Radiologic Sciences intends to offer two advanced imaging, professional certificates. RADS 452, RADS 460, RADS 461, RADS 470, RADS 471, RADS 480, and RADS 490 will be offered online concurrent with students enrolled in the BAS.Response to Program Modification, BAS Rad Science

Accepted from AAS	36 credits
Essential learning	31 credits
Wellness requirement	2 credits
EL Capstone	4 credits
Foundation courses	15 credits
Upper division (core/electives)	33 credits - met
Total credits	**121 credits**

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☑ No ☐

Compliance with contact/credit hour policy

Discussions with affected departments:

NA

Proposed by: Patti Ward

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Deletion

Department: Health Sciences-Radiologic Sciences

Degree Type: AAS

Program: Radiologic Technology: 1621

Justification:

The Associate of Applied Science in Radiologic Technology (AAS in RT) is being deleted, so it can be replaced by a Bachelor of Science in Radiologic Sciences (BSRS). There are not enough clinical placements in the Western Slope area to support two on-campus radiography programs. Demand for the AAS program has been high, with 60 to 100 applicants each year. CMU also offers a Bachelor of Applied Science in RT (BAS in RT). To be accepted in the fully online BAS in RT program, applicants must be ARRT registered radiologic technologists in good standing. Additionally, students must have an associate or higher degree from an accredited institution of higher learning or have completed the essential learning for an associate degree. The majority of graduates from this program are graduates of the CMU AAS in RT. CMU is strategically in the best position to offer the BSRS. Other than the BAS in RT program, there are no similar programs within the state. There are two proprietary programs, five community college programs, and one hospital-based program. Each of these award an associate degree. The fully online BAS in RT will continue to be offered by CMU, allowing opportunity for graduates of associate degree RT programs in Colorado and other states to earn a bachelor degree. Employers from the region provided letters of support for the AAS in RT to be replaced by the BSRS. During the CMU Radiologic Technology Program Advisory Committee meeting all members of the committee strongly supported the change.

Teach-out Plan:

Students in the 2016-2018 cohort will complete the AAS program without interruption and graduate spring 2018. The new BSRS program begins with the first cohort fall 2017. Essentially there is no 'teachout', as students must pass RT core courses to continue in the program.

Fall 2016 to Spring 2018 cohort
Fall 2017
RTEC 224 Clinical Experience IV
RTEC 251 Radiographic Pathology
RTEC 255 Radiographic Assessment I

Spring 2018
RTEC 234 Clinical Experience V
RTEC 261
RTEC 265
Fall 2017 to Spring 2019 BSRS cohort
Fall 2017
RADS 320 Introduction to Radiologic Technology and Patient Care
RADS 320L Introduction to Radiologic Technology and Patient Care Lab
RADS 321 Radiographic Anatomy and Positioning I
RADS 321L Radiographic Anatomy and Positioning I Lab
RADS 322 Prinicples of Radiographic Exposure I
RADS 322L Prinicples of Radiographic Exposure I
RADS 323 Digital Imaging

Term and year in which all students will have completed: Spring 2018

Year to reexamine program's status: NA

Proposed by: Patti Ward

Director of Teacher Education Signature:

Department: Kinesiology

Course Modifications

KINA 102

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	KINA	
Course No.:	102	
Credit Hours:	1	
Course Title:	Advanced Swimming	Intermediate Swimming
Times for Credit:	1	1

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

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

Justification:

It is my belief that removing the tag "advanced" and changing it to "intermediate" will encourage more students to sign up for the course. It will be less intimidating of a title.

Proposed by: Logan Pearsall Expected Implemention: Fall 2017

Department: LLMC-English

Program Modification

English-Literature: 3212

Degree Type: BA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Delete the phrase "All English majors must maintain at least a 3.0 average in their upper division ENGL courses."

Justification:

Modifying the GPA requirement will (1) bring us in line with most of the academic programs on campus, (2) allow more students to graduate on time, thus saving students money, and (3) reduce grade inflation by expecting more of C work.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

n/a

Proposed by: Jennifer R Hancock

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

English-Secondary Education: 3213

Degree Type: BA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Delete the phrase "All English majors must maintain at least a 3.0 average in their upper division ENGL courses."

Justification:

Modifying the GPA requirement would (1) bring us in line with most of the academic programs on campus, (2) allow more students to graduate on time, thus saving students money, (3) reduce grade inflation by expecting more of C work.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Discussed with and approved by Blake Bickham on 1/27/2017.

Proposed by: Jennifer R Hancock

Director of Teacher Education Signature: Blake Bickham

Expected Implementation: Fall 2017

Program Modification

English-Writing: 3215

Degree Type: BA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Delete the phrase "All English majors must maintain at least a 3.0 average in their upper division ENGL courses."

Justification:

Modifying the GPA requirement will (1) bring us in line with most of the academic programs on campus, (2) allow more students to graduate on time, thus saving students money, and (3) reduce grade inflation by expecting more of C work.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Jennifer R Hancock

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: LLMC-Mass Communication

Course Additions

MASS 357 Credit Hours 3

Course Title: Documentary & News Producing

Abbreviated Title: Doc & News

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 2017

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 ☐

LLMC BA, Mass Communication-Media Strategies and Applications: 3256

LLMC Minor, Mass Communication: M250

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:

Creation of multimedia content for students to develop their skills as producers, researchers, interviewers, writers, and videographers, as well as on-camera and voice talent. The focus of study will be on analyzing and practicing the aesthetic and technical elements of documentary and news content in order to create original stories for broadcast, print, and web.

Justification:

To broaden students options by offering the opportunity to create content for their portfolios.

Topical course outline:

1. Themes of documentary production.
2. Delivery of news for multimedia.
3. Communication theories.
4. Producing content for media outlets.
5. Production skills for video content.
6. Writing for dynamic news content.
7. Multimedia formats for news.

Student Learning Outcomes:

(Critical Thinking) Evaluate and apply diversity, objectivity, and balance to any form of mass communication.

(Communication Fluency) Write compelling content that demonstrates proper grammar, well-organized

Course Additions

facts, and story-telling techniques for a variety of media.
(Quantitative Fluency) Determine validity of sources and research techniques and interpret data.

Discussions with affected departments:

NA

Proposed by: Eric Sandstrom Expected Implementation: Fall 2017

Course Modifications

MASS 144

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MASS	
Course No.:	144	
Credit Hours:	3	
Course Title:	Multimedia Storytelling	
Times for Credit:	1	1

Prerequisites:

Current: MASS 110 and MASS 142, or consent of instructor

Proposed: MASS 110 or consent of instructor

Requirement or listed choice for any program of study:	Yes	☑	No	☐
Change affects program sheet or grad requirements:	Yes	☐	No	☑

Justification:

MASS 142 is being deleted; this course modification removes 142 as a prerequisite.

Proposed by: Julie Barak

Expected Implemention: Fall 2017

Course Modifications

MASS 213

Intended semester to offer modified course for the 1st time: Fall 2017

	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, MASS 142, and MASS 144, or consent of instructor

Proposed: MASS 140 and 144, or consent of instructor

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

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

Justification:

MASS 142 is being deleted; this course modification removes 142 as a prerequisite.

Proposed by: Julie Barak Expected Implemention: Fall 2017

Course Modifications

MASS 251

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MASS	
Course No.:	251	
Credit Hours:	3	
Course Title:	Mass Media: Advertising and Promotions	
Times for Credit:	1	1

Prerequisites:

Current: MASS 140, MASS 142, MASS 144 or Consent of Instructor

Proposed: MASS 140 and MASS 144 or consent of instructor

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

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

Justification:

MASS 142 is being deleted; this course modification removes 142 as a prerequisite.

Proposed by: Julie Barak Expected Implemention: Fall 2017

Course Modifications

MASS 261

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MASS	
Course No.:	261	
Credit Hours:	4	3
Course Title:	Audio Announcing and Production	
Engage Min.:	3000	2250
Prep Min.:	6000	4500
Times for Credit:	1	1

Prerequisites:

Current: Mass 140, 142, and 144 or Consent of Instructor

Proposed: MASS 140 and MASS 143 or consent of instructor

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:

At some time in the past, the number of credits on the course was increased to four. As far as we know, the content did not change at that time. We are submitting the request to return the credit hours to the University standard of three for this type of course. We are also modifying the prerequisites for the course to account for the deletion of MASS 142 from the curriculum.

Proposed by: Julie Barak Expected Implemention: Fall 2017

Course Modifications

MASS 397

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MASS	
Course No.:	397	
Credit Hours:	1	
Course Title:	Practicum	
Times for Credit:	1	1

Prerequisites:

Current: MASS 140, MASS 142, MASS 144 or consent of instructor

Proposed: MASS 140 and MASS 144 or consent of instructor

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

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

Justification:

MASS 142 is being deleted; this course modification removes 142 as a prerequisite.

Proposed by: Julie Barak Expected Implemention: Fall 2017

Course Modifications

MASS 452

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MASS	
Course No.:	452	
Credit Hours:	3	
Course Title:	Designing for Brand and Message	
Times for Credit:	1	1

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

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

Justification:

MASS 142 is being deleted; this course modification removes 142 as a prerequisite.

Proposed by: Julie Barak Expected Implemention: Fall 2017

Course Modifications

MASS 494

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MASS	
Course No.:	494	
Credit Hours:	4	3
Course Title:	Seminar, Theory and Research	
Engage Min.:	3000	2250
Prep Min.:	6000	4500
Times for Credit:	1	1

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:

At some time in the past, the number of credits on the course was increased to four. As far as we know, the content did not change at that time. We are submitting the request to return the credit hours to the University standard of three for this type of course.

Proposed by: Julie Barak Expected Implemention: Fall 2017

Course Modifications

MASS 499

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MASS	
Course No.:	499	
Credit Hours:	5-12	3-12
Course Title:	Internship	
Engage Min.:	3750-	2250-9000
Prep Min.:	7500-	45001-8000
Times for Credit:	1	1

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:

Recent Program Review suggested trimming the number of credits in the Major. Requiring fewer intership hours is one way to do that. Most of the X99 Internships in other departments have fully flexible credit hours, so this will fall in line with University norms, as well.

Proposed by: Julie Barak Expected Implemention: Fall 2017

Course Deletions

MASS 142 Credit Hours 3

Course Title: Software Applications

Essential Learning Course: Yes ☐ No ☑

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

LLMC BA, Mass Communication-Media Strategies and Applications: 3256

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

MASS 144, MASS 213, MASS 251, MASS 261, MASS 452, MASS 397

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

MASS 144 curriculum does not change with the deletion of MASS 142. Its lessons and projects have involved the identical software applications that were taught in MASS 142. The problem with MASS 142 has been that it lacked sufficient work projects to which students could apply the various software. We identified this redundancy and are correcting it by deleting MASS 142.

Proposed by: Eric Sandstrom Expected Implementation: Fall 2017

Course Deletions

MASS 319 Credit Hours 3

Course Title: Commercial Copy

Essential Learning Course: Yes ☐ No ☑

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

LLMC BA, Mass Communication-Media Strategies and Applications: 3256

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

Following internal review, faculty concluded that Commercial Copy is an outdated course offering and no longer reflects current needs in the Mass Communication field.

Proposed by: Julie Barak Expected Implementation: Fall 2017

Course Deletions

MASS 343 Credit Hours 3

Course Title: Social Media

Essential Learning Course: Yes ☐ No ☑

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

LLMC BA, Mass Communication-Media Strategies and Applications: 3256

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

Following internal review, faculty concluded that MASS 441 covers similar concepts, theory, and work product.

Proposed by: Julie Barak Expected Implementation: Fall 2017

Program Modification

Mass Communication-Media Strategies and Applications: 3256

Degree Type: BA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Modifications to delete MASS 142, MASS 343, and MASS 319; to add MASS 357; and to adjust credit hours for MASS 494, MASS 499, and MASS 261. Because of this, total Concentration hours are lowered from 50-51 to 44, and Electives hours are adjusted accordingly.

Justification:

Please see course modifications for specific reasons, but generally in response to overall internal and external program review.

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 2017

Program Modification

Mass Communication: M250

Degree Type: Minor

Modified Program Name: NA

Revision to program sheet: Yes ☐ No ☐

Description of modification:

We are reducing the number of credit hours for the minor, and reduce number of UD credits needed. Also, we are modifying minor program sheet to reflect accompanying course deletions, additions, and modifications.

Justification:

We are reducing the overall credit hours to align with other minors in the department, and to reflect accompanying course deletions, additions, and modifications.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Julie Barak

Director of Teacher Education Signature: NA

Expected Implementation: Fall 2017

Department: LLMC-Spanish

Course Modifications

FLAS 421

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	FLAS	
Course No.:	421	
Credit Hours:	3	
Course Title:	Hispanic Poetry	
Times for Credit:	1	1

Prerequisites:

Current: FLAS 301, FLAS 302, FLAS 303, and FLAS 342, or consent of instructor.

Proposed: FLAS 301, FLAS 302, and FLAS 303, or consent of instructor.

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

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

Justification:

Modification removes an old (deleted) course as a prerequisite. The 2016-17 Catalog doesn't have the course title bolded - please double check this in Catalog copy next year.

Proposed by: Luis Silva-Villar Expected Implemention: Fall 2017

Program Modification

Spanish: M245

Degree Type: Minor

Revision to program sheet: Yes ☑ No ☐

Description of modification:

We are simplifying the Minor and lowering the number of credit hours needed.

Justification:

After the major overhaul to the Spanish Major program(s) last year, the Minor Program needed to reflect those changes. While we were at it we decided to simplify the requirements both in terms of courses required and total number of credit hours required. This allows a "cafeteria" approach, giving students flexibility in focusing on history, literature, etc., according to their interests and needs. This, and the 21 hour requirement, is in line with Minors across campus.

Revision to SLOs: Yes ☐ No ☑

N/A

Other changes: Yes ☐ No ☑

N/A

Discussions with affected departments:

N?A

Proposed by: Luis Silva-Villar

Director of Teacher Education Signature: N/A

Expected Implementation: Fall 2017

Department: Music

Course Additions

MUSP 320 Credit Hours 1

Course Title: Junior Recital

Abbreviated Title: Junior Recital

Contact hours per week: Lecture Lab Field Studio 2 Other

Type of Instructional Activity: Music: Studio

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: Fall 2017

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 ☐

1 credit of MUSL 300 level

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

Music BM, Music Performance: 3280

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:

Preparation and successful completion of junior-level recital/presentation in the student's concentration. Recital/presentation must be approved by the music faculty and given during the semester in which the student is registered for this course. Required for Music Performance majors. Must include scholarly program notes covering historical aspects, analytical issues, and/or performance considerations of the recital repertory.

Justification:

A good public performance ability is a very essential skill for Music Performance majors. Through junior recital, performance major students need to demonstrate the culmination of achievements in proficiency, musicianship, and technical levels addressed after five semesters of applied undergraduate study. Junior recital also helps student gain experience prior to their senior recital.

Topical course outline:

Students need to be able to present different styles from Baroque, Classical, Romantic, and/or the 20th Century/Contemporary repretoires.

Student Learning Outcomes:

Demonstrate a broad knowledge of musical literature, cultures, principal genres and industry practices in a historical context and develop and express music judgments through solo performances.

Discussions with affected departments:

This course is offered for students of Music Department.

Course Additions

Proposed by: Kristen Yeon-Ji Yun

Expected Implementation: Fall 2017

Course Modifications

MUSA 130

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

	Current	**Proposed**
Course Prefix:	MUSA	
Course No.:	130	
Credit Hours:	2	
Course Title:	Class Piano I	
Times for Credit:	1	1

Description for catalog:

Current: Recommended for music majors, music minors and music theatre majors who are deficient in the piano proficiency skills that are required by their programs of study. Application of scales, chords, transposition, harmonization, sight-reading and development of repertory at the keyboard.

Proposed: Introduction of basic keyboard skills including scales, chords, transposition, harmonization, choir warmups, improvisation, and sightreading. Recommended for music majors, music minors and music theatre majors needing piano proficiency skills required by their program of study. Students move at their own pace completing specified sequenced skills.

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

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

Justification:

Better wording; clarifies what we do in the class.

Discussions with affected departments:

Changes discussed by music faculty at retreat meeting 1/16/17 and approved.

Proposed by: Lisa Bush and Arthur Houle Expected Implemention: Fall 2017

Course Modifications

MUSA 131

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

	Current	Proposed
Course Prefix:	MUSA	
Course No.:	131	
Credit Hours:	2	
Course Title:	Class Piano II	
Times for Credit:	1	1

Description for catalog:

Current: The student gains further expertise at the keyboard. Prerequisite: MUSA 130 or consent of instructor.

Proposed: Continuation of keyboard skills learned in MUSA 130 including experience with arpeggios, chord inversions, different accompaniment styles and ensemble experiences. Students move at their own pace completing specified sequenced skills. Prerequisite: MUSA 130 or consent of instructor.

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

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

Justification:

Better wording; clarifies what we do in the class.

Discussions with affected departments:

Changes discussed by music faculty at retreat meeting 1/16/17 and approved.

Proposed by: Lisa Bush and Arthur Houle Expected Implemention: Fall 2017

Course Modifications

MUSA 230

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

	Current	Proposed
Course Prefix:	MUSA	
Course No.:	230	
Credit Hours:	2	
Course Title:	Class Piano III	
Times for Credit:	1	1

Description for catalog:

Current: A concentrated study of repertoire in preparation for the piano proficiency exam. Maximum keyboard time will develop coordination and flexibility. Prerequisites: MUSA 130, 131 or consent of instructor.

Proposed: Continuation of concepts covered in MUSA 130 and 131 including minor scales, chords, transposition, playing from lead sheets, improvisation, basic jazz keyboarding skills, sightreading. Prerequisites: MUSA 130, 131 or consent of instructor.

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

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

Justification:

Better wording; clarifies what we do in the class.

Discussions with affected departments:

Changes discussed by music faculty at retreat meeting 1/16/17 and approved.

Proposed by: Lisa Bush and Arthur Houle Expected Implemention: Fall 2017

Course Modifications

MUSA 231

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

	Current	Proposed
Course Prefix:	MUSA	
Course No.:	231	
Credit Hours:	2	
Course Title:	Class Piano IV	
Times for Credit:	1	1

Description for catalog:

Current: A continuation of the concepts introduced in MUSA 230. Reinforcement and new concepts f keyboard skills including minor scales and arpeggios, triad inversions, cadence progressions, harmonization, transposition, repertoire pieces to develop technical facility and knowledge of musical style. Prerequisites: MUSA 230 or consent of instructor.

Proposed: Culmination of concepts covered in MUSA 130, 131, and 230. Emphasis on jazz keyboarding skills, reading from open vocal score or instrumental score with transposing parts, creating and playing accompaniments for simple pieces. Prerequisite: MUSA 230 or consent of instructor.

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

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

Justification:

To provide a full semester of piano study focused on practical skills students will likely need in their professional experiences. To accomplish, this, we need to add skills to our checklist rubric that were not previously required.

Topical course outline, current:

Continuation of concepts needed for completion of piano proficiency
Playing from lead sheets
Playing a solo piece as stipulated in the proficiency rubric
Accompanying a soloist

Topical course outline, proposed:

Continuation of concepts needed for completion of piano proficiency
Creating simple accompaniments
Playing from jazz charts
Reading from open scores - vocal and instrumental with transposing parts
Playing a solo piece as stipulated in the proficiency rubric
Accompanying a soloist

Student Learning Outcomes, current:

o Hear, identify and realize the elements of music (such as rhythm, melody, harmony, structure, timbre, texture), demonstrating general musicianship and skills appropriate for the particular music concentration.
o Demonstrate keyboard competency at the level determined by the piano proficiency requirements outlined in the Music Student Handbook (which is consistent with this syllabus).

Student Learning Outcomes, proposed:

Discussions with affected departments:

Changes discussed by music faculty at retreat meeting 1/16/17 and approved.

Proposed by: Lisa Bush and Arthur Houle Expected Implemention: Fall 2017

Course Modifications

MUSP 420

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	MUSP	
Course No.:	420	
Credit Hours:	2	
Course Title:	Senior Recital/Presentation	
Times for Credit:	1	1

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

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

Music BM, Music Performance: 3280

Justification:

Developing Music Performance majors require more formal performance opportunities. Therefore, we are adding a one (1) credit Junior Recital requirement to the Music Performance program and reducing to only one (1) credit the Senior Recital/Presentation (MUSP 420) currently required. Therefore, the two (2) credit option for Senior Recital/Presentation is no longer necessary.

Topical course outline, current:

NA

Topical course outline, proposed:

NA

Student Learning Outcomes, current:

NA

Student Learning Outcomes, proposed:

NA

Essential Learning SLOs, proposed:

NA

Discussions with affected departments:

Music Department faculty are in agreement regarding this change.

Proposed by: Sean Flanigan Expected Implemention: Fall 2017

Program Modification

Music Performance: 3280

Degree Type: BM

Revision to program sheet: Yes ☑ No ☐

Description of modification:

1. Stop prescribing MUSA 220 Music Appreciation as the course for the Fine Arts requirement in the Essential Learning category.

2. Currenly, Music Performance majors are required to register to MUSP 420-002 Senior Recital/Presentation. Music Department is concurrently proposing modifying MUSP 420-002 and adding MUSP 320-001 Junior Recital. In the program for Music Performance majors, we propose two changes:
A) Music Performance majors will be required to register to MUSP 420-001 Senior Recital/Presentation
B) Music Performance majors will be required to register to MUSP 320-001 Junior Recital (the new course)

Justification:

1. The original intent of prescribing Music Appreciation was to give music students an overview of music history and literature before taking advanced courses in Music History and Literature. Music faculty found that students were underprepared in this area. The music faculty is currently undergoing curriculum changes to expand and strengthen the Music History and Literature sequence, rendering the Music Appreciation course unnecessary for the training of the students. Further, it is believed by the music faculty that music students should have knowledge of and in as many fine and performing arts outside of music to enrich and develop their training.

2. Music Performance majors need to develop their presentation skill at the best shape. Adding Junior Recital in their junior year will give a great opportunity to craft their performing ability before their Senior Recital.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Calvin Hofer

Director of Teacher Education Signature: N/A

Expected Implementation: Fall 2017

Program Modification

Music Education K-12: 3282

Degree Type: BME

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Stop prescribing MUSA 220 Music Appreciation as the course for the Fine Arts requirement in the Essential Learning category.

Justification:

The original intent of prescribing Music Appreciation was to give music students an overview of music history and literature before taking advanced courses in Music History and Literature. Music faculty found that students were underprepared in this area. The music faculty is currently undergoing curriculum changes to expand and strengthen the Music History and Literature sequence, rendering the Music Appreciation course unnecessary for the training of the students. Further, it is believed by the music faculty that music students should have knowledge of and in as many fine and performing arts outside of music to enrich and develop their training.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Calvin Hofer

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: PES/Biological Sciences

Course Deletions

BIOL 332 Credit Hours 2

Course Title: Introduction to GIS

Essential Learning Course: Yes ☐ No ☑

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

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

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

GEOL 432/432L, GEOL 375/375L, GEOL 321/321L

Co-requisite for other course(s): Yes ☑ No ☐

BIOL 332L

Justification:

This course is a cross-listing for GEOL 332. The prefix for that course is being changed to GIST, so the BIOL prefix is no longer needed.

Proposed by: Gigi Richard Expected Implementation: Fall 2017

Course Deletions

BIOL 332L Credit Hours 1

Course Title: Introduction to Geographic Information Ssystems Laboratory

Essential Learning Course: Yes ☐ No ☑

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

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

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

GEOL 432/432L, GEOL 375/375L, GEOL 321/321L

Co-requisite for other course(s): Yes ☑ No ☐

BIOL 332

Justification:

This course is a cross-listing for GEOL 332L. The prefix for that course is being changed to GIST, so the BIOL prefix is no longer needed.

Proposed by: Gigi Richard Expected Implementation: Fall 2017

Program Modification

Biological Sciences-Ecology, Evolution and Organismal Biology: 3409

Degree Type: BS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Prefix for BIOL 332 and 332L were changed to GIST 332 and 332L to reflect change in the course prefix and removing cross-listing.

Justification:

Program prefixes have been changed to GIST to better reflect course and program content. Cross-listing within other programs was not deemed to be useful and may be confusing to students.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Biological Sciences - 1/25/17 - cross-listing is not useful

Proposed by: G. Richard

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: PES/LLMC-English

Course Additions

ENGL 325 Credit Hours 3

Course Title: Writing for Engineers

Abbreviated Title: Writing for Engineers

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 2017

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 ☐

PES BS, Mechanical Engineering Technology: 3453

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:

Development of a set of communication tools by learning how to compose, design, and edit technical documents for the engineering professions. Topics include technical documentation (lab reports, designing of reports, proposals), professional correspondence (emails, memo reports, and team meetings), and verbal and graphical communication of technical data.

Justification:

This course is designed to meet the complex writing expectations of the growing ME/MET and CE programs. Currently, students are taking ENGL 425 Scientific Writing to fulfill the requirements of the degree. However, due to the challenge of teaching CU students (who are not required to take ENGL 111 and ENGL 112), the course is being taught at a much lower level. Thus, there is a need for the English Department to tailor a 300 level course that will meet the varied needs of students, while also teaching Engineering-specific content and fulfilling the requirements of the program.

Topical course outline:

1. Correspondence
2. Research
3. Literature Review
4. Collaborative Writing
5. Designing Lab Reports
6. Communication of Technical Data
7. Proposal

Course Additions

8. Formal Oral Report

Student Learning Outcomes:

1. Identify elements in the standard design for formal and informal documents in the fields of engineering.
2. Apply knowledge of these elements in written, oral, and visual communication.
3. Differentiate the communication needs of a variety of audiences and successfully communicate technical information.
4. Analyze examples of engineering writing and evaluate content for original research.
5. Design original research and present appropriately to the norms of engineering writing.

Discussions with affected departments:

Discussed with Dr. Tim Brower and Dr. Barry Laga 1/27/2017. Both approved course description and SLOs.

Proposed by: Labecca Jones Expected Implementation: Fall 2017

Department: PES-Engineering

Course Additions

ENGR 317L Credit Hours 1

Course Title: Fundamentals of Circuits and Electronics Lab

Abbreviated Title: Fund of Cir & Elect 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: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

MATH 136 or MATH 152, and PHYS 131/131L

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

Co-requisites: Yes ☑ No ☐

ENGR 317

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

PES BS, Mechanical Engineering Technology: 3453

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 resistive circuits, capacitors, inductors, transient analysis, sine waves, AC circuit analysis, resonance, and transformers.

Justification:

Our enrollment has grow enough that the laboratory component of ENGR 317 needs to be separated from the lecture into a new course, ENGR 317L.

Topical course outline:

1. DC Circuits
o Introduction into SI, measurements, safety.
o Fundamental quantities; voltage, current and resistance.
o Ohm's Law, energy and power.
o Series circuits, parallel circuits and series-parallel circuits.
o Magnetism and Electromagnetism.
2. AC Circuits
o Understand alternating voltage and current.
o Working with capacitors and resistor-capacitor circuits. The first order system.
o Working with inductors and resistor-inductor circuits. The first order system.
o Analyze resistor-capacitor-inductor circuits; series and parallel resonance. The second order system.
o Understanding transformers.

Course Additions

o Survey of time response in circuits containing capacitance and inductance. Focus on integrators and differentiators in steady state circuits.

3. Devices

o Introduction to the diode and the semiconductor PN junction.

o Introduction, study and analysis of transistors and applications. The Bipolar Junction Transistor is analyzed as a switch, Class A, Class B and Class C amplifier. The Field Effect Transistor is introduced studied and analyzed as an amplifier and oscillator.

o The Operational Amplifier is introduced. The input differential amplifier is used to demonstrate the inverting and non inverting inputs. Its characteristics, parameters and analysis are first examined in the ideal case. Then, losses, offsets and other imperfections are added to best model the real case. Negative feedback is studied in order to show common configurations.

o Basic Op-Amp circuits are covered; comparators, summing amplifiers, integrators and differentiators, oscillators, active filters and voltage regulators.

o Special purpose Op-Amp circuits are covered; instrumentation amplifiers, isolation amplifiers, operational transconductance amplifiers, active diode circuits, current sources and converters.

o A measurement section is included which contains; temperature, strain, pressure and flow rate. Sample and hold and analog to digital conversion is demonstrated. Power control and motion measurement are also covered.

Student Learning Outcomes:

per ABET requirements:

1. select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities through the use of solid modeling and data acquisition software tools

2. conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes

Discussions with affected departments:

NA

Proposed by: Scott Kessler

Expected Implementation: Fall 2017

Course Modifications

ENGR 317

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	ENGR	
Course No.:	317	
Credit Hours:	3	2
Course Title:	Fundamentals of Circuits and Electronics	
Contact hours:	Lecture 3	Lecture 2
	Lab	Lab
	Field	Field
	Studio	Studio
	Other	Other
Engage Min.:	2250	1500
Prep Min.:	4500	3000
Times for Credit:	1	1

Co-requisites:

Current:

Proposed: ENGR 317L

Description for catalog:

Current: Resistive circuits, operational amplifiers, capacitors, inductors, transient analysis, sine waves, AC circuit analysis, resonance, transformers. Not for Electronics Engineering Technology and Computer Engineering Technology students.

Proposed: Introduction to resistive circuits, capacitors, inductors, transient analysis, sine waves, AC circuit analysis, resonance, and transformers.

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

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

PES BS, Mechanical Engineering Technology: 3453

Justification:

The course currently has laboratory experiences built in. Our enrollment has grow enough that the laboratory component needs to be separated from the lecture into a new course, ENGR 317L, which is being added.

Student Learning Outcomes, current:

per ABET requirements:

1. select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities through the use of solid modeling and data acquisition software tools
2. conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes

Student Learning Outcomes, proposed:

Discussions with affected departments:

NA

Course Modifications

Proposed by: Scott Kessler

Expected Implemention: Fall 2017

Course Modifications

ENGR 427

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	ENGR	
Course No.:	427	
Credit Hours:	2	
Course Title:	Engineering Measurements	
Times for Credit:	1	1

Prerequisites:

Current: ENGR 263, ENGR 317, STAT 305, ENGL 425

Proposed: ENGR 263, ENGR 317, STAT 305, ENGL 325

Requirement or listed choice for any program of study:	Yes	☑	No	☐
Change affects program sheet or grad requirements:	Yes	☐	No	☑

Justification:

Update prereq for the change in number for ENGL425 to 325.

Discussions with affected departments:

NA

Proposed by: Scott Kessler Expected Implemention: Fall 2017

Course Modifications

ENGR 445

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	ENGR	
Course No.:	445	
Credit Hours:	3	
Course Title:	MET Design Project I	
Times for Credit:	1	1

Prerequisites:

Current: ENGR 140, ENGR 312, ENGR 321, ENGR 325, MAMT 115, and ENGL 425

Proposed: ENGR 140, ENGR 312, ENGR 321, ENGR 325, MAMT 115, and ENGL 325

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

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

Justification:

Update prereq for the change in number for ENGL425 to 325.

Discussions with affected departments:

NA

Proposed by: Scott Kessler Expected Implemention: Fall 2017

Program Modification

Mechanical Engineering Technology: 3453

Degree Type: BS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Update BSMET program sheet to change required writing course from ENGL 425 to ENGL 325. Additionally, a laboratory experience is being added to ENGR 317, Fundamentals of Circuits & Electronics.

Justification:

-The current ENGL 425 requirement is being modified to better address the topic of technical communication for CMU's engineering students. The new course is designed to meet the complex writing expectations of the growing ME/MET and CE programs. Currently, students are taking ENGL 425 Scientific Writing to fulfill the requirements of the degree. However, due to the challenge of teaching CU students (who are not required to take ENGL 111 and ENGL 112), the course is being taught at a lower level. Thus, there is a need for the English Department to tailor a 300 level course that will meet the varied needs of students, while also teaching Engineering-specific content and fulfilling the requirements of the program.
-Our enrollment has grown to a point the laboratory components of the ENGR 317 need to be separated so that smaller groups can be taught in a laboratory setting. The addition of ENGR 317L addresses the issue.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

The modification to the writing requirement for MET has been a joint effort between the engineering and English departments and they are the only two departments involved. Course description and SLOs were discussed with and approved by Dr. Tim Brower and Dr. Barry Laga on 1/27/2017.

Proposed by: Sarah Lanci

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: PES-GEOL, GIST, ENVS

Course Additions

GEOL 443 Credit Hours 3

Course Title: Field-Based Depositional Systems

Abbreviated Title: Depositional Systems

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 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

GEOL 202

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

Co-requisites: Yes ☑ No ☐

GEOL 443L

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

PES BS, Geosciences-Environmental Geology: 3473

PES BS, Geosciences-Geology: 3472

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:

Analysis of depositional systems with a strong field component. Lectures followed by weekly field trips will show students local examples of all common depositional systems.

Justification:

This course uses outstanding local outcrops to reinforce the field-based focus of the geology program and helps fulfil the need for more upper-division restricted electives focused on geology.

Topical course outline:

Depositional Systems Overview
Field Data Collection Review
Lacustrine Systems
Carbonate Systems
Clastic Systems
Fluvial Braided
Fluvial Meandering
Fluvial Fixed Channel
Eolian
Shallow Marine - Wave Dominated

Course Additions

Shallow Marine - Tide Dominated
Shallow Marine - Deltaic

Student Learning Outcomes:

Collect and interpret geoscience field data (problem-solving skills)
Write an effective report on a geoscience study (communication skills)

Discussions with affected departments:

Geosciences - Change from topics course to permanent status discussed and approved 1/27/17.

Proposed by: Lawrence Jones Expected Implementation: Fall 2017

Course Additions

GEOL 443L Credit Hours 1

Course Title: Field-Based Depositional Systems Laboratory

Abbreviated Title: Depositional Systems Lab

Contact hours per week: Lecture Lab 3 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: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

GEOL 202

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

Co-requisites: Yes ☑ No ☐

GEOL 443

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

PES BS, Geosciences-Environmental Geology: 3473

PES BS, Geosciences-Geology: 3472

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:

Analysis of depositional systems with a strong field component. Lectures followed by weekly field trips will show students local examples of all common depositional systems..

Justification:

This course uses outstanding local outcrops to reinforce the field-based focus of the geology program and fullfuls the need for more upper division restricted electives focused on geology.

Topical course outline:

Depositional Systems Overview
Field Data Collection Review
Lacustrine Systems
Carbonate Systems
Clastic Systems
Fluvial Braided
Fluvial Meandering
Fluvial Fixed Channel
Eolian
Shallow Marine - Wave Dominated
Shallow Marine - Tide Dominated
Shallow Marine - Deltaic

Student Learning Outcomes:

Course Additions

Collect and interpret geoscience field data (problem-solving skills)
Write an effective report on a geoscience study (communication skills)

Discussions with affected departments:

Geosciences - Change from topics course to permanent status discussed and approved 1/27/17.

Proposed by: Lawrence Jones Expected Implementation: Fall 2017

Course Additions

GIST 422 Credit Hours 2

Course Title: GIS Data Management and Editing

Abbreviated Title: GIS Data Mngmt & Editing

Contact hours per week: Lecture 2 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 1500 Student preparation minutes: 3000

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

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

GIST 332/332L

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

Co-requisites: Yes ☑ No ☐

GIST 422L

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

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

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:

Further exploration of GIS, involving creating, editing, and managing geospatial data and working with different types of GIS software. Two one-hour lectures and one two-hour laboratory per week. Prerequisites: GIST 332/332L

Justification:

This course replaces the former GEOL 445 Geodatabases course, but with a more appropriate number so that the courses sequence properly. This new course is designed to be more flexible and allows the course content to adapt as software changes without having to modify the course.

Topical course outline:

1) Introduction to Geodatabases
2) Creating, editing, and managing geodatabase
3) Editing map using map and geodatabase topology
4) Working with geodatabase domains and subtypes
5) Creating and editing metadata
6) Working with ArcGIS Pro and ArcGIS On-Line

Student Learning Outcomes:

1. Develop a design for creating, managing, and editing a geodatabase.
2. Understand the components and functions of the geodatabase.
3. Create attribute domains and subtypes and use them when editing data.

Course Additions

4. Use the metadata editing interface to add, modify, and update metadata fields.
5. Inspect features by using topology rules to identify and correct errors.

Discussions with affected departments:

PES - discussed w/ Dept. Head Russ Walker. No problem expected.

Proposed by: Verner C. Johnson Expected Implementation: Fall 2017

Course Additions

GIST 422L Credit Hours 1

Course Title: GIS data management and editing laboratory

Abbreviated Title: GIS data mngmt & editing

Contact hours per week: Lecture Lab 2 Field Studio Other

Type of Instructional Activity: Laboratory: Academic/Clinical

Academic engagement minutes: Student preparation minutes:

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

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

GIST 332/332L

Prerequisite for other course(s): Yes ☑ No ☑

Co-requisites: Yes ☑ No ☐

GIST 422

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

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

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:

Further exploration of GIS, involving creating, editing, and managing geospatial data and working with different types of GIS software. Two one-hour lectures and one two-hour laboratory per week. Prerequisites: GIST 332/332L

Justification:

This course replaces the former GEOL 445 Geodatabases course, but with a more appropriate number so that the courses sequence properly. This new course is designed to be more flexible and allows the course content to adapt as software changes without having to modify the course.

Topical course outline:

1) Introduction to Geodatabases
2) Creating, editing, and managing geodatabase
3) Editing map using map and geodatabase topology
4) Working with geodatabase domains and subtypes
5) Creating and editing metadata
6) Working with ArcGIS Pro and ArcGIS On-Line

Student Learning Outcomes:

1. Develop a design for creating, managing, and editing a geodatabase.
2. Understand the components and functions of the geodatabase.
3. Create attribute domains and subtypes and use them when editing data.
4. Use the metadata editing interface to add, modify, and update metadata fields.

Course Additions

5. Inspect features by using topology rules to identify and correct errors.

Discussions with affected departments:

PES - discussed w/ Dept. Head Russ Walker. No problem expected.

Proposed by: Verner C. Johnson Expected Implementation: Fall 2017

Course Modifications

GEOL 305

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

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	305	
Credit Hours:	1	
Course Title:	Cartography for GIS	
Times for Credit:	1	1

Requirement or listed choice for any program of study: Yes ☑ No ☐
Change affects program sheet or grad requirements: Yes ☑ No ☐

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

Justification:

The GIS courses are not really Geology courses, so it will be more clear for students if the GIS courses have their own prefix.

Discussions with affected departments:

PES - discussion with Dept. Head Russ Walker 1/27/17. No issues. It was his idea.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 321

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

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	321	
Credit Hours:	2	
Course Title:	Introduction to Remote Sensing	
Times for Credit:	1	1

Prerequisites:

Current: GEOL, ENVS, BIOL 332/332L

Proposed: GIST 332/332L

Co-requisites:

Current: GEOL 321L

Proposed: GIST 321L

Description for catalog:

Current: Remote sensing systems and applications; characteristics of photographs, scanner and radar imagery interpretation. Two one-hour lectures and one two-hour laboratory per week. .

Proposed: Fundamentals of remotely sensed data, with emphasis on processing and interpretation of Landsat satellite imagery. Two one-hour lectures 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 ☐

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

Justification:

The GIS courses are not really Geology courses, so it will be more clear for students if the GIS courses have their own prefix.

Discussions with affected departments:

PES - discussion with Dept. Head Russ Walker 1/27/17. No issues. It was his idea.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 321L

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

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	321L	
Credit Hours:	1	
Course Title:	Introduction to Remote Sensing Laboratory	
Times for Credit:	1	1

Prerequisites:

Current: GEOL/ENVS/BIOL 332/332L

Proposed: GIST 332/332L

Co-requisites:

Current: GEOL 321

Proposed: GIST 321

Description for catalog:

Current: Remote sensing systems and applications; characteristics of photographs, scanner and radar imagery interpretation. Two one-hour lectures and one two-hour laboratory per week.

Proposed: Fundamentals of remotely sensed data, with emphasis on processing and interpretation of Landsat satellite imagery. Two one-hour lectures 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 ☐

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

Justification:

The GIS courses are not really Geology courses, so it will be more clear for students if the GIS courses have their own prefix.

Discussions with affected departments:

PES - discussion with Dept. Head Russ Walker 1/27/17. No issues. It was his idea.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 332

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	332	
Credit Hours:	2	
Course Title:	Introduction to Geographic Information Systems	
Times for Credit:	1	1

Prerequisites:

Current: GEOL 305 or GEOG 131

Proposed: GIST 305 or GEOG 131

Co-requisites:

Current: GEOL 332L

Proposed: GIST 332L

Description for catalog:

Current: Basic knowledge of the fundamentals of GIS with regard to theoretical, technical, and application issues.

Proposed: Fundamentals of GIS and digital mapping, including basic GIS skills and an introduction to geospatial databases and analyses. Two one-hour lectures 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 ☐

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

SBS Prof Cert, Cultural Resource Management: 1710

SBS Minor, Archaeology: M725

SBS Minor, International Studies: M753

Justification:

The prefix change will better represent the course material, as the course is not really a geology course. The course description change is just cleaning up the language and better describing the course content.

Student Learning Outcomes, current:

Upon completion of the course, students should be able to:
n Create a basic effective map in Esri ArcGIS 10
n Evaluate, acquire and create geospatial data
n Explain the use of GIS as a tool for a variety of applications and disciplines
n Apply GIS knowledge to relevant real-world situations and problems

Student Learning Outcomes, proposed:

Discussions with affected departments:

Discussed with PES Dept Head Russ Walker, 1/27/17. No Issues.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 332L

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	332L	
Credit Hours:	1	
Course Title:	Introduction to Geographic Information Systems Laboratory	
Times for Credit:	1	1

Prerequisites:

Current: GEOL 305 or GEOG 131

Proposed: GIST 305 or GEOG 131

Co-requisites:

Current: GEOL 332

Proposed: GIST 332

Description for catalog:

Current: Basic knowledge of the fundamentals of GIS with regard to theoretical, technical, and application issues.

Proposed: Fundamentals of GIS and digital mapping, including basic GIS skills and an introduction to geospatial databases and analyses. Two one-hour lectures 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 ☐

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

SBS Minor, Archaeology: M725

SBS Prof Cert, Cultural Resource Management: 1710

SBS Minor, International Studies: M753

Justification:

The prefix change will better represent the course material, as the course is not really a geology course. The course description change is just cleaning up the language and better describing the course content.

Student Learning Outcomes, current:

Upon completion of the course, students should be able to:
n Create a basic effective map in Esri ArcGIS 10
n Evaluate, acquire and create geospatial data
n Explain the use of GIS as a tool for a variety of applications and disciplines
n Apply GIS knowledge to relevant real-world situations and problems

Student Learning Outcomes, proposed:

Discussions with affected departments:

Discussed with PES Dept Head Russ Walker, 1/27/17. No Issues.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 375

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	375	
Credit Hours:	2	
Course Title:	Global Positioning Systems for GIS	
Times for Credit:	1	1

Prerequisites:

Current: GEOL/ENVS/BIOL 332/332L

Proposed: GIST 332/332L

Co-requisites:

Current: GEOL 375L

Proposed: GIST 375L

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

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

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

SBS Prof Cert, Cultural Resource Management: 1710

Justification:

The change in prefix better reflects the content of the GIS courses, which are not really geology courses.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 375L

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	375L	
Credit Hours:	1	
Course Title:	Global Positioning Systems for GIS Laboratory	
Times for Credit:	1	1

Prerequisites:

Current: GEOL/ENVS/BIOL 332/332L

Proposed: GIST 332/332L

Co-requisites:

Current: GEOL 375

Proposed: GIST 375

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

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

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

SBS Prof Cert, Cultural Resource Management: 1710

Justification:

The change in prefix better reflects the content of the GIS courses, which are not really geology courses.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 432

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

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	432	
Credit Hours:	2	
Course Title:	Advanced GIS	Spatial Analysis and Modeling in GIS
Times for Credit:	1	1

Prerequisites:

Current: GEOL/ENVS/BIOL 332/332L

Proposed: GIST 332/332L

Co-requisites:

Current: GEOL 432L

Proposed: GIST 432L

Description for catalog:

Current: Emphasis on the set of analytical operations provided by this technology and the specific conditions, requirements, and processing considerations surrounding effective GIS modeling and decision making.

Proposed: Exploration of GIS techniques and analysis with emphasis on raster-based GIS technology, processing, and geospatial analysis. Two one-hour lectures 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 ☐

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

Justification:

The course prefix change better reflects the content of the GIS courses, which are not really geology courses. The course title change reflects the content of the course.

Topical course outline, current:

1) Introduction and Review on GIS
2) Creating Continuing Surfaces
3) Optimal Interpolation
4) Review Statistics Handout
5) Geostatistics & Errors and Quality Control
6) Variogram and Kriging
7) Georeferencing
8) National Maps

Student Learning Outcomes, current:

1) Describe different types of rasters obtained from various sources and how they are used to represent the real world.
2) Select an appropriate interpolation model, i.e. IDW, Spline, and Kriging for analysis.
3) Using Geostatistical Analyst, apply workflows for creating prediction surfaces using differ interpolation methods.
4) Analyze data using the variogram and semivariogram modeling to kriging models.
5) Accurately interpret and compare interpolation results from various models and methods.

Course Modifications

6) Perform various methods to visualize raster and feature data in 3D using ArcScene.

Student Learning Outcomes, proposed:

Discussions with affected departments:

Discussed with PES Dept Head Russ Walker, 1/27/17. No issues.

Proposed by: Gigi Richard Expected Implemention: Fall 2017

Course Modifications

GEOL 432L

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	GEOL	GIST
Course No.:	432L	
Credit Hours:	1	
Course Title:	Advanced GIS Laboratory	Spatial Analysis and Modeling in GIS Laboratory
Times for Credit:	1	1

Prerequisites:

Current: GEOL/ENVS/BIOL 332/332L

Proposed: GIST 332/332L

Co-requisites:

Current: GEOL 432

Proposed: GIST 432

Description for catalog:

Current: Emphasis on the set of analytical operations provided by this technology and the specific conditions, requirements, and processing considerations surrounding effective GIS modeling and decision making.

Proposed: Exploration of GIS techniques and analysis with emphasis on raster-based GIS technology, processing, and geospatial analysis. Two one-hour lectures 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 ☐

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

Justification:

The course prefix change better reflects the content of the GIS courses, which are not really geology courses. The course content change reflects the reoganization of the required suite of GIS courses, which includes the deletion of the geodatabases course and the addition of the Intermediate GIS course.The new organization of courses is less dependent on specific software and therefore more adapatable as technology evolves.

Topical course outline, current:

1) Introduction and Review on GIS
2) Creating Continuing Surfaces
3) Optimal Interpolation
4) Review Statistics Handout
5) Geostatistics & Errors and Quality Control
6) Variogram and Kriging
7) Georeferencing
8) National Maps

Student Learning Outcomes, current:

1) Describe different types of rasters obtained from various sources and how they are used to represent the real world.
2) Select an appropriate interpolation model, i.e. IDW, Spline, and Kriging for analysis.
3) Using Geostatistical Analyst, apply workflows for creating prediction surfaces using differ interpolation methods.

Course Modifications

4) Analyze data using the variogram and semivariogram modeling to kriging models.
5) Accurately interpret and compare interpolation results from various models and methods.
6) Perform various methods to visualize raster and feature data in 3D using ArcScene.

Student Learning Outcomes, proposed:

Discussions with affected departments:

Discussed with PES Dept Head Russ Walker, 1/27/17. No issues.

Proposed by: Gigi Richard

Expected Implemention: Fall 2017

Course Deletions

ENVS 332 Credit Hours 2

Course Title: Introduction to Geographic Information Systems

Essential Learning Course: Yes ☐ No ☑

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

PES BS, Environmental Science and Technology: 3443

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

GEOL 432/432L, GEOL 375/375L, GEOL 321/321L

Co-requisite for other course(s): Yes ☑ No ☐

ENVS 332L

Justification:

This course is a cross-listing for GEOL 332. The prefix for that course is being changed to GIST, so the ENVS prefix is no longer needed.

Proposed by: Gigi Richard Expected Implementation: Fall 2017

Course Deletions

ENVS 332L Credit Hours 1

Course Title: Introduction to Geographic Information Systems Laboratory

Essential Learning Course: Yes ☐ No ☑

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

PES BS, Environmental Science and Technology: 3443

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

GEOL 432/432L, GEOL 375/375L, GEOL 321/321L

Co-requisite for other course(s): Yes ☑ No ☐

ENVS 332

Justification:

This course is a cross-listing for GEOL 332L. The prefix for that course is being changed to GIST, so the ENVS prefix is no longer needed.

Proposed by: Gigi Richard Expected Implementation: Fall 2017

Course Deletions

GEOL 445 Credit Hours 1

Course Title: Geodatabase Design

Essential Learning Course: Yes ☐ No ☑

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

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

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

Co-requisite for other course(s): Yes ☑ No ☐

GEOL 445

Justification:

GIS software has advanced and it no longer makes sense to offer an entire course on geodatabases. The new Intermediate GIS course will cover some of this material and the new course is more generic.

Proposed by: Gigi Richard Expected Implementation: Fall 2017

Course Deletions

GEOL 445L Credit Hours 2

Course Title: Geodatabase Design

Essential Learning Course: Yes ☐ No ☑

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

PES Minor, Geographic Information Science and Technology: M752

PES Prof Cert, Geographic Information Science and Technology: 1770

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

Co-requisite for other course(s): Yes ☑ No ☑

GEOL 445L

Justification:

GIS software has advanced and it no longer makes sense to offer an entire course on geodatabases. The new Intermediate GIS course will cover some of this material and the new course is more generic.

Proposed by: Gigi Richard Expected Implementation: Fall 2017

Program Modification

Environmental Science and Technology: 3443

Degree Type: BS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Prefix for ENVS 332 and 332L were changed to GIST 332 and 332L to reflect change in the course prefix and removing cross-listing.

Justification:

Program prefixes have been changed to GIST to better reflect course and program content. Cross-listing within other programs was not deemed to be useful and may be confusing to students.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Environmental Science (PES) - 1/27/17 - cross-listing is not useful

Proposed by: G. Richard

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Geosciences-Environmental Geology: 3473

Degree Type: BS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The following courses were added to restricted electives:
GIST 332 Introduction to GIS
GIST 332L Introduction to GIS Lab
GEOL 351 Applied Geochemistry
GEOL 443 Field-Based Depositional Systems
GEOL 443L Field-Based Depositional Systems Lab

Justification:

GIST 332 and 332L have been added to the list of restricted electives, as this course combination is a popular and useful choice for Geology. Material in the basic GIS course reinforces applied methods in the program.

GEOL 351 has been a listed course in the program for many years, but Spring 2017 is the first semester in which it has been taught.

GEOL 443 and 443L have been taught as Topics for the past few years, and the course combination has been moved to the list of regular courses.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: G. Richard

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Geosciences-Geology: 3472

Degree Type: BS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The following courses were added to restricted electives:
GIST 332 Introduction to GIS
GIST 332L Introduction to GIS Lab
GEOL 351 Applied Geochemistry
GEOL 443 Field-Based Depositional Systems
GEOL 443L Field-Based Depositional Systems Lab

Justification:

GIST 332 and 332L have been added to the list of restricted electives, as this course combination is a popular and useful choice for Geology. Material in the basic GIS course reinforces applied methods in the program.

GEOL 351 has been a listed course in the program for many years, but Spring 2017 is the first semester in which it has been taught.

GEOL 443 and 443L have been taught as Topics for the past few years, and the course combination has been moved to the list of regular courses.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: G. Richard

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Geographic Information Science and Technology: M752

Degree Type: Minor

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The program modification involves the following:
- change in course prefixes from GEOL to GIST
- replace GEOL 445/445L Geodatabases with GIST 422/422L Intermediate GIS to better reflect current and possible future software and technology
- create new resricted electives category to give students options to add programming, surveying and/or focuses GIS projects into their GIS program.
- deletion of cross listing for the Intro to GIS course.

Justification:

GIS software and technology are constantly evolving. The new Intermediate course and revised course sequencing is less software specific which will make the courses and program more adaptable in the future.

The prefix change is appropriate because the courses are not geology courses. The new prefix, GIST, better reflects the course content and may make the courses and program more attractive to students from other non-science disciplines.

The new restricted electives allow students to focus their geospatial science and technology studies in other areas, which may make the program more attractive to students from CSCI, CIVE and SBS.

The cross-listing is being deleted because it is no longer needed.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

The following deparments have been contacted and have no issues with the proposal:
PES, BIOL, CSCI and CIVE (1/27/17)

Proposed by: Gigi Richard

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Geographic Information Science and Technology: 1770

Degree Type: Prof Cert

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The program modification involves the following:
- change in course prefixes from GEOL to GIST
- replace GEOL 445/445L Geodatabases with GIST 422/422L Intermediate GIS to better reflect current and possible future software and technology
- create new resricted electives category to give students options to add programming, surveying and/or focuses GIS projects into their GIS program
- deletion of cross listing for the Intro to GIS course.

Justification:

GIS software and technology are constantly evolving. The new Intermediate course and revised course sequencing is less software specific which will make the courses and program more adaptable in the future.

The prefix change is appropriate because the courses are not geology courses. The new prefix, GIST, better reflects the course content and may make the courses and program more attractive to students from other non-science disciplines.

The new restricted electives allow students to focus their geospatial science and technology studies in other areas, which may make the program more attractive to students from CSCI, CIVE and SBS.

The cross-listing is being deleted because it is no longer needed.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

The following deparments have been contacted and have no issues with the proposal:
PES, BIOL, CSCI and CIVE (1/27/17)

Proposed by: Gigi Richard

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: SBS-Archaeology/Cultural Resource Mang

Course Modifications

ARKE 325

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

	Current	Proposed
Course Prefix:	ARKE	
Course No.:	325	
Credit Hours:	3	
Course Title:	Geoarchaeology	
Times for Credit:	1	1

Prerequisites:

Current: ARKE 205

Proposed: ARKE 205 & GEOL 111/111L

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

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

Justification:

Geoarchaeology is the study of how geological processes affect the deposition, preservation and resolution of archaeological materials. Because this is the application of one content area to another, students should have at least an introductory-level understanding of both domains (archaeology and geology prior to taking this class. GEOL 111/L was already listed on the program sheet but was not included in the course catalog. This course modification will provide for correction in the catalog.

Discussions with affected departments:

Discussed with Dr. Walker of Physical and Environmental Sciences Department on Feb. 13th

Proposed by: John Seebach Expected Implemention: Fall 2017

Program Modification

Archaeology: M725

Degree Type: Minor

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The proposed modification is making more explicit the differences between the CRM program and the traditional archaeology minor. Additionally, HIST 355 and 405 are being removed as potential electives. The number of Elective Course credit hours has also been reduced to six from nine. This brings the total number of required hours more in line with other minors offered at CMU. The hours for ARKE 410L are being changed on the program sheet to reflect what is in the current catalog. Several course titles on the program sheet are changed to more acurately reflect the course title in the current catalog. GEOL 332/L is being changed to GIST 332/L on the program sheet to accommodate a course modification to change the course prefix for that course and delete cross listed courses.

Justification:

A review of the Professional Certificate in CRM and Archaeology Minor Program Sheets revealed some confusing overlap between the two forms. These changes make it more explicit that the Certificate program is an "add-on" to the traditional minor.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: John Seebach

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Cultural Resource Management: 1710

Degree Type: Prof Cert

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The proposed modification is making more explicit the differences between the CRM program and the traditional archaeology minor. Two courses are being added to the Certificate: GIST 332 and 332L and GEOG 131. These requirements will prepare students for the archaeological survey and spatial analyses that are found in virtually all CRM jobs. GEOL 375 and 375L are being changed on the program sheet to GIST 375 and 375L due to a course modification for that course. Course cross listings on the program sheet are also being deleted.

Justification:

A review of the Professional Certificate in CRM and Archaeology Minor Program Sheets revealed some confusing overlap between the two forms. The changes make more explicit that the Certificate program is an "add-on" to the traditional minor.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: John Seebach

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: SBS-International Studies

Program Modification

International Studies: M753

Degree Type: Minor

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The program modification involves the following:
- change in course prefix from GEOL to GIST for Intro to GIS.

Justification:

Program prefixes have been changed to GIST to better reflect course and program content.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Discussed w/ SBS faculty, Tim Casey and Eliot Jennings on 2/2/17

Proposed by: Gigi Richard

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: SBS-Political Science

Course Modifications

POLS 201

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	POLS	
Course No.:	201	
Credit Hours:	3	
Course Title:	Introduction to Politics	Introduction to Political Inquiry
Abbreviated Title:	Introduction to Politics	Intro. to Pol. Inquiry
Times for Credit:	1	1

Prerequisites:

Current: POLS 101

Proposed: None

Description for catalog:

Current: Introduction to major questions and tools of investigation in the study of politics. Examination of classical political theorists and modern scientific methods. Additional emphasis on tracing the evolution of the discipline.
Prerequisite: POLS 101, must be taken within first 60 credit hours.

Proposed: Introduction to major tools of investigation in the study of politics. Examination of modern scientific research design and methods. Additional emphasis on discipline-specific skills in critical thinking, information literacy, writing and citation mechanics, and oral communication.

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

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

Justification:

This course was introduced at a time when the Political Science program lacked introductory-level classes in the four main sub-fields of the discipline. Its original purpose was two-fold: 1) to provide students an accessible overview of the four sub-fields of political science, and 2) to familiarize them with core styles and methods of inquiry in the discipline as a whole. However, the first purpose is null because our program now has introductory-level classes in all four sub-fields of the discipline. Furthermore, since POLS 201 was introduced, all three faculty members who've taught it have struggled with aligning it with our other classes and program requirements, as well as striking an appropriate balance between its two functions. We have discussed this issue annually, and all four faculty members have agreed to narrow the focus of POLS 201 to its second function--i.e., teaching core styles and methods of inquiry in political science. We feel that our students will be better served with a tighter focus on building key discipline-specific skills involving critical thinking, information literacy, writing and citation mechanics, research design, research methodology, and communicating research findings. We have noted that many of our senior-level students remain deficient in these areas. Our consensus is that students no longer need POLS 101, Introduction to American Government, as a pre-requisite, given that the modified course does not presuppose prior content knowledge in any of the sub-fields of the discipline. We also feel that our students would benefit from additional guidance in choosing a career in the field. This course modification could go a long ways towards addressing the problem. It also aligns CMU's Political Science program better with the structure of our sociology, criminal justice, and psychology programs, all of which include a similar course.

Topical course outline, current:

Course Modifications

What is "Scientific" about Political Science?
Forming Research Questions
Finding and Assessing Academic Literature
Political Decision-making
Power: Whom We Obey and Why
Writing the Literature Review
Political Institutions: The Structure and Mechanics of Power
Models and Hypotheses in Political Science Research
Research Design
Quantitative Research Methdos
Qualitative Research Methods
Communicating Research Findings

Topical course outline, proposed:

What is "Scientific" about Political Science?
Interpretive vs. Positivist Notions of Science
Forming Research Questions
Finding Academic Literature
Citation Mechanics
Critical Reading of Academic Literature
Writing a Literature Review
Models and Hypotheses in Political Science Research
Research Design
Quantitative Research Methods
Qualitative Research Methods
Communicating Research Findings--Writing Mechanics
Communicating Research Findings--The Oral Presentation
Chosing a Career in Political Science

Student Learning Outcomes, current:

1) Critically analyze the theories and concepts relevant to political science (specialized knowledge).
2) Defend a political argument using established methods (empirical and/or normative) in the field of political science (intellectual skills and communication fluency).
3) Articulate diverse perspectives surrounding a political issue (critical thinking).

Student Learning Outcomes, proposed:

Discussions with affected departments:

Sporadic, informal consultations between Dr. William Flanik, Dr. Tim Casey, and Dr. Justin Gollob from Fall 2014 to Fall 2016. Final, formal consultation with Dr. Tim Casey, Dr. Justin Gollob, and Dr. Eliot Jennings (the entire Political Science program faculty) on 4 January 2017. All four meeting participants concurred with this proposed course modification.

Proposed by: William Flanik Expected Implemention: Fall 2017

Program Modification

Political Science: 3718

Degree Type: BA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Changing the course title and prerequisites for POLS 201.

Justification:

Program modification is being made to accommodate course modification for POLS 201.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Final consulation occurred on Jan. 4, 2017 with all political science program faculty.

Proposed by: Eliot Jennings

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Political Science: M730

Degree Type: Minor

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Changing the course title and prerequisites for POLS 201.

Justification:

Program modification is being made to accommodate course modification for POLS 201.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Final consulation occurred on Jan. 4, 2017 with all political science program faculty.

Proposed by: Eliot Jennings

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: SBS-Social Science

Program Modification

Liberal Arts-Elementary Education, Social Science: 3251

Degree Type: BA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Currently, the Elementary Education/Liberal Arts Program with an emphasis in the social sciences limits the course offerings to a limited number of upper-division history courses focused predominantly on early American history. We would like to expand the list of acceptable upper-division history courses.

Justification:

Elementary Education/Liberal Arts students with an emphasis in the social sciences are finding that they are encountering more questions on the PRAXIS that deal with aspects beyond the study of American history, especially questions regarding world history. By students having more autonomy in courses they can select from, they will also receive a firmer grounding in historical topics outside of a singular focus on early American history.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

Social and Behavioral Sciences - 1/26/17 - Discussion to modify program, approval from Doug O'Roark
Center for Teacher Education - 1/27/17 - Discussion to modify program, approval from Blake Bickham and Lisa Friel

Proposed by: Erika Jackson

Director of Teacher Education Signature: Blake R. Bickham

Expected Implementation: Fall 2017

Department: Teacher Education

Course Deletions

EDUC 485 Credit Hours 3

Course Title: Modes of Inquiry

Essential Learning Course: Yes ☐ No ☑

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

Teacher Ed MA, Education-Initial Teacher Licensure/Endorsement-Elementary: 8213

Teacher Ed Grad Cert, Education-Initial Teacher Licensure/Endorsement -Elementary: 7205

Prerequisite for other course(s): Yes ☑ No ☑

EDUC 591
EDUC 586A

Co-requisite for other course(s): Yes ☑ No ☐

EDUC 487
EDUC 488
EDUC 492A

Justification:

These course are Graduate level courses and are being changed to 500-level courses in order to align with CMU's graduate policies and procedures manual. Therefor, we are asking them to be removed from the Undergraduate Curriculum level.

Proposed by: Jennifer C LaBombard-Daniels Expected Implementation: Fall 2017

Course Deletions

EDUC 487 Credit Hours 3

Course Title: Literacy Education K-6

Essential Learning Course: Yes ☐ No ☑

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

Teacher Ed MA, Education-Initial Teacher Licensure/Endorsement-Elementary: 8213

Teacher Ed Grad Cert, Education-Initial Teacher Licensure/Endorsement -Elementary: 7205

Prerequisite for other course(s): Yes ☑ No ☑

EDUC 586A
EDUC 591

Co-requisite for other course(s): Yes ☐ No ☐

EDUC 485
EDUC 488
EDUC 492A

Justification:

These course are Graduate level courses and are being changed to 500-level courses in order to align with CMU's graduate policies and procedures manual. Therefor, we are asking them to be removed from the Undergraduate Curriculum level.

Proposed by: Jennifer C LaBombard-Daniels Expected Implementation: Fall 2017

Course Deletions

EDUC 488 Credit Hours 3

Course Title: Math Education K-6

Essential Learning Course: Yes ☐ No ☑

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

Teacher Ed MA, Education-Initial Teacher Licensure/Endorsement-Elementary: 8213

Teacher Ed Grad Cert, Education-Initial Teacher Licensure/Endorsement -Elementary: 7205

Prerequisite for other course(s): Yes ☑ No ☑

EDUC 586A
EDUC 591

Co-requisite for other course(s): Yes ☑ No ☐

EDUC 485
EDUC 487
EDUC 492A

Justification:

These course are Graduate level courses and are being changed to 500-level courses in order to align with CMU's graduate policies and procedures manual. Therefor, we are asking them to be removed from the Undergraduate Curriculum level.

Proposed by: Jennifer C LaBombard-Daniels Expected Implementation: Fall 2017

Course Deletions

EDUC 492A Credit Hours 4

Course Title: ITL 2: Directed Teaching: Elementary Education

Essential Learning Course: Yes ☐ No ☑

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

Teacher Ed MA, Education-Initial Teacher Licensure/Endorsement-Elementary: 8213

Teacher Ed Grad Cert, Education-Initial Teacher Licensure/Endorsement -Elementary: 7205

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

EDUC 586A
EDUC 591

Co-requisite for other course(s): Yes ☑ No ☐

EDUC 485
EDUC 487
EDUC 488

Justification:

These course are Graduate level courses and are being changed to 500-level courses in order to align with CMU's graduate policies and procedures manual. Therefor, we are asking them to be removed from the Undergraduate Curriculum level.

Proposed by: Jennifer C LaBombard-Daniels Expected Implementation: Fall 2017

Course Deletions

EDUC 492B Credit Hours 4

Course Title: ITL 2: Directed Teaching: Secondary Education

Essential Learning Course: Yes ☐ No ☑

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

Teacher Ed MA, Education-Initial Teacher Licensure/Endorsement-Secondary: 8215

Teacher Ed Grad Cert, Education-Initial Teacher Licensure/Endorsement -Secondary: 7206-7210

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

EDUC 591
EDUC 586B

Co-requisite for other course(s): Yes ☐ No ☑

EDUC 442
EDUC 497
EDUC 487 A, B, C, D, or E

Justification:

These course are Graduate level courses and are being changed to 500-level courses in order to align with CMU's graduate policies and procedures manual. Therefore, we are asking them to be removed from the Undergraduate Curriculum level.

Proposed by: Jennifer C LaBombard-Daniels Expected Implementation: Fall 2017

Program Modification

Early Childhood Education-Special Education

Degree Type: BA

Modified Program Name: Early Childhood Education, Early Childhood Special Education Concentration

Modified Program Name: Early Childhood Special Ed

Revision to program sheet: Yes ☑ No ☐

Description of modification:

We are proposing to create a name change from Early Childhood Education-Special Education to Early Childhood Educaiton, Early Childhood Special Education Concentration

Justification:

The name change is reflecting a more accurate description of the program. The "new" name is based on how candidates will be licensed through the State. They are receiving a teaching license for "Early childhood: Birth-Age 8" and getting an endorsement in "Early Childhood Special Education (Birth-Age 8)." These licenses are what the State has approved. We fear that leaving the concentration as simply "special education" would imply that they could be licensed for k-12, which is not the case.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Jennifer C LaBombard-Daniels

Director of Teacher Education Signature: Blake Bickham

Expected Implementation: Fall 2017

Department: Theatre

Course Modifications

DANC 180

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	DANC	
Course No.:	180	
Credit Hours:	1.0	
Course Title:	Beginning Hip Hop Dance	
Times for Credit:	1	2

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

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

Theatre BFA, Dance: 3267

Theatre Minor, Dance: M220

Justification:

This change reflects the fact that some students may need more grounding in the first level of techniques covered in Level 1 classes before they are ready to move on to the more advanced levels.

Proposed by: Jill Van Brussel Expected Implemention: Fall 2017

Course Modifications

DANC 181

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	DANC	
Course No.:	181	
Credit Hours:	2.0	
Course Title:	Ballet I	
Times for Credit:	1	2

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

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

Theatre BFA, Dance: 3267

Theatre Minor, Dance: M220

Justification:

This change reflects the fact that some students may need more grounding in the first level of techniques covered in Level 1 classes before they are ready to move on to the more advanced levels.

Proposed by: Jill Van Brussel Expected Implemention: Fall 2017

Course Modifications

DANC 182

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	DANC	
Course No.:	182	
Credit Hours:	2.0	
Course Title:	Jazz I	
Times for Credit:	1	2

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

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

Theatre BFA, Dance: 3267

Theatre Minor, Dance: M220

Justification:

This change reflects the fact that some students may need more grounding in the first level of techniques covered in Level 1 classes before they are ready to move on to the more advanced levels.

Proposed by: Jill Van Brussel Expected Implemention: Fall 2017

Course Modifications

DANC 183

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	DANC	
Course No.:	183	
Credit Hours:	2.0	
Course Title:	Modern I	
Times for Credit:	1	2

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

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

Theatre BFA, Dance: 3267

Theatre Minor, Dance: M220

Justification:

This change reflects the fact that some students may need more grounding in the first level of techniques covered in Level 1 classes before they are ready to move on to the more advanced levels.

Proposed by: Jill Van Brussel Expected Implemention: Fall 2017

Course Modifications

DANC 184

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	DANC	
Course No.:	184	
Credit Hours:	2.0	
Course Title:	Tap I	
Times for Credit:	1	2

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

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

Theatre BFA, Dance: 3267

Theatre Minor, Dance: M220

Justification:

This change reflects the fact that some students may need more grounding in the first level of techniques covered in Level 1 classes before they are ready to move on to the more advanced levels.

Proposed by: Jill Van Brussel Expected Implemention: Fall 2017

Program Modification

Theatre Arts-Design/Technology: 3262

Degree Type: BA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Cleanup of program sheet to update performance options to correct course number.

Justification:

Cleanup of course number mistake on program sheet.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Proposed by: Jill Van Brussel

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Dance: 3267

Degree Type: BFA

Revision to program sheet: Yes ☐ No ☑

Description of modification:

Level I Dance Techniques courses (DANC 180, DANC 181, DANC 182, DANC 183, DANC 184) are being modified to reflect that they may be taken up to 2 times for credit. This adjustment reflects a policy already stated on the Program Sheet.

Justification:

Students may need to take Level I dance techniques courses more than once to be ready to move on to more advanced levels. This modification is designed to make official in DegreeWorks what is already present as a policy on the Program Sheet.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Proposed by:

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Theatre Arts-Acting/Directing: 3260

Degree Type: BFA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Program sheet changed to reflect both upper and lower division options for Performance credit requirements.

Justification:

Currently, program sheets only reflect 100 and 200 level performance options. As students enroll for them according to their class level (100 through 400 level options), course substitutions become necessary. This will allow Degreeworks to recognize all levels of performance options as meeting the requirements.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Proposed by: Jill Van Brussel

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Theatre Arts-Music Theatre: 3263

Degree Type: BFA

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Program sheet changed to reflect both upper and lower division options for Performance credit requirements.

Justification:

Currently, program sheets only reflect 100 and 200 level performance options. As students enroll for them according to their class level (100 through 400 level options), course substitutions become necessary. This will allow Degreeworks to recognize all levels of performance options as meeting the requirements.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Proposed by: Jill Van Brussel

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Dance: M220

Degree Type: Minor

Revision to program sheet: Yes ☐ No ☑

Description of modification:

Level I Dance Techniques courses (DANC 180, DANC 181, DANC 182, DANC 183, DANC 184) are being modified to reflect that they may be taken up to 2 times for credit. This adjustment reflects a policy already stated on the Program Sheet.

Justification:

Students may need to take Level I dance techniques courses more than once to be ready to move on to more advanced levels. This modification is designed to make official in DegreeWorks what is already present as a policy on the Program Sheet.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Proposed by:

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: WCCC-Info/Communication Technology

Program Additions

Information and Communication Technology

Degree Type: AAS

Abbreviated Name: Info and Comm Tech

Proposed by: Steve McGraw

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Additions

Information and Communication Technology: Healthcare Information

Degree Type: Technical Cert

Abbreviated Name: Healthcare Information

Proposed by: Steve McGraw

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Additions

Information and Communication Technology: Network Technican

Degree Type: Technical Cert

Abbreviated Name: Network Tech

Proposed by: Steve McGraw

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Additions

Information and Communication Technology: Help Desk Technician

Degree Type: Technical Cert

Abbreviated Name: Help Desk Tech

Proposed by: Steve McGraw

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Course Additions

TECI 111 Credit Hours 3.0

Course Title: Healthcare Data Management and Information Systems

Abbreviated Title: Healthcare Data Systems

Contact hours per week: Lecture Lab Field Studio Other 4.5

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 3375 Student preparation minutes: 3375

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

Intended semester to offer course 1st time: Fall 2017

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 ☑

N/A

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

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Information and Communication Technology: Healthcare Information Networking

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 the electronic health record (EHR) components and health informatics including infrastructure, privacy, security, and legal implications. Federal involvement and its impact on information technology regarding health data will be discussed. The transformation of data into meaningful information, through research, vital statistics, and epidemiology will be demonstrated. Data quality, integrity, collection, access, and retention will also be emphasized.

Justification:

Healthcare is increasingly technology-driven and all of these devices ultimately connect to a computer network. There is a significant amount of healthcare activity in the Grand Valley area, and a demand for technicians knowledgeable about the special concerns of healthcare information networks. Local employers support this class and its associated Certificate.

Topical course outline:

Introduction to Health Information Technology, Health Informatics and Terminology
Health Information System Infrastructure and Health Information System Components
Health Information Technology Standards, Classifications and Terminologies
Health Record Content, Flow and Processing and Documentation Guidelines
Legal Health Records, Personal Health Records, and Consumer Health Informatics
Privacy and Security in Health Information
Federal involvement in HIT and Meaningful Use
Data and Information, Data Collection, Data Quality, and Data Access and Retention, including

Course Additions

Institutional Review Board (IRB) processes and policies and National guidelines regarding human subject research and research protocol monitoring.
Databases, Data Warehouses, and Data Dictionaries
SQL and Data Analysis and Presentation
Health Data Uses, Registries and Data Sets

Student Learning Outcomes:

Demonstrate how the field of Health Care Informatics/EHRs impact Health Information Management and its functions.
Explain the meaning of common health information technology terminology.
Explain the role of the federal government in the adoption and use of electronic health records.
Describe the components of an electronic health record, internet technologies (software utilization), archival and retrieval systems for patient information, and health information system infrastructure.
Differentiate the different types of health records, their content and their documentation guidelines.
Identify the purposes and methods related to record analysis, including quantitative, qualitative and legal.
Describe the functions and evolving role of the Health Information Management (HIM) departments/professionals in transforming data into meaningful information.
Demonstrate how data is collected and protected in a health information system.
Describe the structure and use of healthcare data, the concepts of data integrity and governance, and the importance of addressing needs of multi-users.
Identify the major data sets, standards, classifications and terminologies, and their scope/uses.
Perform the collection of health care data for use with data analytics, in decision making (decision support), reporting (report generation technologies) and presentation (basic descriptive, institutional & healthcare statistics).

Discussions with affected departments:

N/A

Proposed by: Steve McGraw Expected Implementation: Fall 2017

Course Additions

TECI 131 Credit Hours 3.0

Course Title: Principles of Information Assurance

Abbreviated Title: Principles of IA

Contact hours per week: Lecture Lab Field Studio Other 4.5

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 3375 Student preparation minutes: 3375

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

Intended semester to offer course 1st time: Fall 2017

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 ☐

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Information and Communication Technology: Network Technician Certificate Information and Communication Technology: Healthcare Information Networking Certificate Information and Communication Technology: Help Desk Technician Certificate

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 skills and knowledge required to survey key issues associated with protecting information assets, determine the levels of protection and response to security incidents, and design a consistent, reasonable information security system. Students learn to inspect and protect information assets, detect and react to threats to information assets, and examine pre- and post-incident procedures.

Justification:

The current Security Fundamentals course is too specific regarding Cisco and other proprietary devices used in large enterprise environments. The course covers skills more relevent to entry-level employees, and covers 95% of data compromises.

Topical course outline:

Introduction to Information Security
The Need for Security
Legal, Ethical, and Professional Issues in Information Security
Risk Management
Planning for Security
Security Technology: Firewalls, VPNs, and Wireless
Security Technology: Intrusion Detection and Prevention Systems and Other Security Tools
Cryptography
Physical Security
Implementing Information Security

Course Additions

Security and Personnel
Information Security Maintenance

Student Learning Outcomes:

Define key terms and explain critical concepts.
Explain the managerial and technical aspects of information security for information systems.
Identify the legal, ethical, and professional issues in information security.
Identify, assess, and reduce risk to an acceptable level and implement effective control measures to maintain that level of risk.
Describe authentication and access control methods.
Describe accepted security models and frameworks and examine the planning processes that support business continuity, disaster recovery, and incident response.
Demonstrate use of intrusion detection, prevention systems, and other security tools.
List architectures and implementations of cryptosystems.
Describe the elements that are critical to implementing a security plan.
Develop security policies for personnel.
Demonstrate ability to maintain information security policies and procedures.

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Course Additions

TECI 142 Credit Hours 3

Course Title: Internet of Things

Abbreviated Title: Internet of Things

Contact hours per week: Lecture Lab Field Studio Other 4.5

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 3375 Student preparation minutes: 3375

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

Intended semester to offer course 1st time: Fall 2017

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 ☐

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Degree Information and Communication Technology: Healthcare Information Networking Certificate

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 the network and how the internet expands to sectors such as manufacturing floors, energy grids, healthcare facilities, and transportation. Students will learn the network of physical objects that contain embedded technology to communicate and interact with their internal states. Topics will also include cloud applications and cloud-based office productivity software.

Justification:

We have no course to cover the Internet of Things. The Internet of Things is inter-related to Cloud Computing. The Internet of Things market is expected to climb from 157.05 billion in 2016 to 661.74 billion by 2021. Entry-level technicians are already working with these devices.

Topical course outline:

Old Models of Computing
Limitations of Mainframes
Client/Server Networks
The Cloud Model
The Benefits of Cloud Computing
Understanding Virtualization
Providers & Applications
Productivity in the Cloud
Cloud-Based Tools
PC Based Tools
Limitations
Hosting and Development

Course Additions

Operational Design & Requirements
Application Development
Vendor Products
Access Control
Access Management & Control
Automating Access Decisions
Security & Privacy Issues
Data Separation & External Threats
Disaster Recovery
Business Case and Return on Investment (ROI)
Building a Business Case for Cloud Computing

Student Learning Outcomes:

Describe the technical differences between mainframes, client/server, and cloud architecture and their relative advantages and disadvantages.
Evaluate the benefits of cloud computing, virtualization, and enhanced productivity by using cloud-based tools.
Create simple cloud network architectures in an effort to understand application and operational design requirements.
Describe access control and security issues as they differ from present client/server networks.
Demonstrate technical knowledge to simulated deployment and business planning issues using a case study in a team-based project to show return on investment (ROI) potential.
Describe Cloud-based applications and productivity software.

Discussions with affected departments:

N/A

Proposed by: Steve McGraw Expected Implementation: Fall 2017

Course Additions

TECI 165 Credit Hours 3

Course Title: Convergent Technologies

Abbreviated Title: Convergent Tech

Contact hours per week: Lecture Lab Field Studio Other 4.5

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 3375 Student preparation minutes: 3375

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

Intended semester to offer course 1st time: Fall 2017

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 ☐

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Information and Communication Technology: Network Technician Certificate Information and Communication Technology: Healthcare Information Networking Certificate Information and Communication Technology: Help Desk Technician Certificate

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 telecommunications, including how data, voice, and video technologies are converging for telecommunications systems. Topics will also include wireless, ISDN, PCM, DSL, cable, IP voice, and computer networks.

Justification:

This course replaces TECI 240 VoIP Fundamentals. VoIP is now considered to be a subset of Convergent Technologies which include video, audio/voice, security and data.

Topical course outline:

Guided Technologies
Unguided/Broadcast Technologies
Internet and Networks
Industry

Student Learning Outcomes:

Identify the relationship among the various telecommunications systems that use a guided media for transmission.
Identify the relationship between the various telecommunications systems that use broadcast media for transmission.
Demonstrate how the multiple telecommunication activities are brought together.
Demonstrate the ways telecommunication is being offered to the consumer.

Course Additions

Discussions with affected departments:

N/A

Proposed by: Christine Murphy

Expected Implementation: Fall 2017

Course Additions

TECI 242 Credit Hours 3.0

Course Title: Cloud Computing

Abbreviated Title: Cloud Computing

Contact hours per week: Lecture Lab Field Studio Other 4.5

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 3375 Student preparation minutes: 3375

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

Intended semester to offer course 1st time: Fall 2017

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 ☑

N/A

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

Course is a requirement for a new program:

Associate of Applied Science: Information and Communication Technology

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 cloud computing and how to install, configure, and manage a cloud environment. Builds on knowledge of hypervisor and virtual machine environments.

Justification:

We do not have a class that covers Cloud Computing. It has become a a 7+ billion dollar market using an exisiting and new set of expanding of technologies.

Topical course outline:

Discuss cloud deployment models.

a. Private cloud
b. Public cloud
c. Community cloud
d. Hybrid cloud
e. Other cloud deployment models.

II. Discuss cloud service models.

a. Infrastructure-as-a-Service (IaaS).
b. Platform-as-a-Service (PaaS)
c. Software-as-a-Service (SaaS)
d. Other service models

III. Gather cloud hardware and software requirements

a. Cloud hardware requirements
b. Cloud software options.
c. Cloud software requirements

Course Additions

IV. Install and configure base environment for cloud
    a. Install and configure hypervisor.
    b. Install and configure virtual machines.
V. Create cloud portal.
    a. Install cloud portal.
    b. Configure cloud platform
    c. Configure cloud content.
VI. Configure client access.
    a. Configure access to cloud.
    b. Configure access to cloud content
VII. Manage cloud.
    a. Discuss tools available to manage cloud.
    b. Use GUI tools to manage cloud.
    c. Use command-line tools to manage cloud

Student Learning Outcomes:

Evaluate cloud deployment models.
Differentiate between cloud service models.
Investigate cloud hardware requirements.
Investigate cloud software options and respective requirements.
Demonstrate how to build and configure cloud portal in hypervisor environment.
Describe how to configure client access to cloud and cloud applications.
Demonstrate ability to manage cloud using various tools.

Discussions with affected departments:

N/A

Proposed by: Steve McGraw Expected Implementation: Fall 2017

Course Modifications

TECI 180

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	TECI	
Course No.:	180	
Credit Hours:	4	3
Course Title:	Cisco Networking 1	
		4.5
Engage Min.:	4500	3375
Prep Min.:	4500	3375
Times for Credit:	1	1

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

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

WCCC AAS, Tech Integration-Network/Telecommunication Technician: 1328

WCCC Tech Cert (16 wk), Tech Integration-Certified Network Technician: 1112

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Information and Communication Technology: Network Technician Certificate Information and Communication Technology: Healthcare Information Networking Certificate Information and Communication Technology: Help Desk Technician Certificate

Justification:

The Cisco curriculum has been improved over the years to the point that student time has been significantly reduced. The majority of lab work is now at the student's computer and is integrated into the online curriculum. Other colleges have followed suit and reduced the number of credit hours to 3. We now compete with a variety of training programs that offer these courses in different formats, including "Boot Camps", that allow much faster completion. This also allows a student to take an additional class within the ~60 credit hour AAS Degree format.

Proposed by: Steve McGraw Expected Implemention: Fall 2017

Course Modifications

TECI 185

Intended semester to offer modified course for the 1st time: Fall 2017

	Current	Proposed
Course Prefix:	TECI	
Course No.:	185	
Credit Hours:	4	3
Course Title:	Cisco Networking 2	
Contact hours:	Lecture 4	Lecture
	Lab 2	Lab
	Field	Field
	Studio	Studio
	Other	Other 4.5
Engage Min.:	4500	3375
Prep Min.:	4500	3375
Times for Credit:	1	1

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

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

WCCC AAS, Tech Integration-Network/Telecommunication Technician: 1328

WCCC Tech Cert (16 wk), Tech Integration-Certified Network Technician: 1112

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Information and Communication Technology: Network Technician Certificate Information and Communication Technology: Healthcare Information Networking Certificate

Justification:

The Cisco curriculum has been improved over the years to the point that student time has been significantly reduced. The majority of lab work is now at the student's computer and is integrated into the online curriculum. Other colleges have followed suit and reduced the number of credit hours to 3. We now compete with a variety of training programs that offer these courses in different formats, including "Boot Camps", that allow much faster completion. This also allows a student to take an additional class within the ~60 credit hour AAS Degree format.

Proposed by: Steve McGraw Expected Implemention: Fall 2017

Course Modifications

TECI 230

Intended semester to offer modified course for the 1st time: Fall 2017

	Current		Proposed	
Course Prefix:	TECI			
Course No.:	230			
Credit Hours:	4		3	
Course Title:	Cisco Networking 3			
Contact hours:	Lecture	4	Lecture	
	Lab	2	Lab	
	Field		Field	
	Studio		Studio	
	Other		Other	4.5
Engage Min.:	4500		3375	
Prep Min.:	4500		3375	
Times for Credit:	1		1	

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

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

WCCC AAS, Tech Integration-Network/Telecommunication Technician: 1328

WCCC Tech Cert (16 wk), Tech Integration-Certified Network Technician: 1112

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Information and Communication Technology: Network Technician Certificate Information and Communication Technology: Healthcare Information Networking Certificate Information and Communication Technology: Help Desk Technician Certificate

Justification:

The Cisco curriculum has been improved over the years to the point that student time has been significantly reduced. The majority of lab work is now at the student's computer and is integrated into the online curriculum. Other colleges have followed suit and reduced the number of credit hours to 3. We now compete with a variety of training programs that offer these courses in different formats, including "Boot Camps", that allow much faster completion. This also allows a student to take an additional class within the ~60 credit hour AAS Degree format.

Proposed by: Steve McGraw Expected Implemention: Fall 2017

Course Modifications

TECI 235

Intended semester to offer modified course for the 1st time: Fall 2017

	Current		Proposed	
Course Prefix:	TECI			
Course No.:	235			
Credit Hours:	4		3	
Course Title:	Cisco Networking 4			
Contact hours:	Lecture	4	Lecture	
	Lab	2	Lab	
	Field		Field	
	Studio		Studio	
	Other		Other	4.5
Engage Min.:	4500		3375	
Prep Min.:	4500		3375	
Times for Credit:	1		1	

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

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

WCCC AAS, Tech Integration-Network/Telecommunication Technician: 1328

WCCC Tech Cert (16 wk), Tech Integration-Certified Network Technician: 1112

Course is a requirement for a new program:

Information and Communication Technology: Associate of Applied Science Information and Communication Technology: Network Technician Certificate Information and Communication Technology: Healthcare Information Networking Certificate Information and Communication Technology: Help Desk Technician Certificate

Justification:

The Cisco curriculum has been improved over the years to the point that student time has been significantly reduced. The majority of lab work is now at the student's computer and is integrated into the online curriculum. Other colleges have followed suit and reduced the number of credit hours to 3. We now compete with a variety of training programs that offer these courses in different formats, including "Boot Camps", that allow much faster completion. This also allows a student to take an additional class within the ~60 credit hour AAS Degree format.

Proposed by: Steve McGraw Expected Implemention: Fall 2017

Course Deletions

TECI 251 Credit Hours 3

Course Title: Leadership

Essential Learning Course: Yes ☐ No ☑

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

WCCC AAS, Tech Integration-Network/Telecommunication Technician: 1328
WCCC Tech Cert (16 wk), Tech Integration-Certified Network Technician: 1112
WCCC Tech Cert (16 wk), Tech Integration-Computer Technician: 1113
WCCC Tech Cert (N-Z), Tech Integration-Network Technician: 1322
WCCC Tech Cert (N-Z), Tech Integration-Telecommunication VoIP Technician: 1330

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

This class is deleted to allow the addition of classes that teach more relevant skills to entry-level employees. Leadership skills are obviously important, but local and regional employers state that their primary employee concerns are attendance, puntuality, and appropriate employee interactions. One employer stated that successful ICT work, like most work, is 80% customer service and 20% technical knowledge. Two classes, ABUS 128 Workplace Behavior and ABUS 160 Intro to Customer Service, are added to the ICT program.

Proposed by: Steve McGraw Expected Implementation: Fall 2018

Course Deletions

TECI 290 Credit Hours 1

Course Title: Certification

Essential Learning Course: Yes ☐ No ☑

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

WCCC AAS, Tech Integration-Network/Telecommunication Technician: 1328

WCCC Tech Cert (16 wk), Tech Integration-Certified Network Technician: 1112

WCCC Tech Cert (N-Z), Tech Integration-Telecommunication VoIP Technician: 1330

WCCC Tech Cert (N-Z), Tech Integration-Network Technician: 1322

WCCC Tech Cert (16 wk), Tech Integration-Computer Technician: 1113

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

Updating the program to match current CISCO and other computer courses of Colorado Community College System.

Proposed by: Steve McGraw Expected Implementation: Fall 2018

Program Deletion

Department: WCCC-Info/Communication Technology

Degree Type: AAS

Program: Tech Integration-Network/Telecommunication Technician: 1328

Justification:

This program is being replaced by a new program that has updated courses and reflects current work force needs

Teach-out Plan:

Students will have until Spring of 2018 to finish their current program. Updated versions of required courses will be accepted for credit for students currently in this track. Courses not updated will continue to offered.
Course substitutions:
Old course - TECI 245 Security Fundamentals New course - TECI 131 Principles of Information Assurance
Old course - TECI 240 VoIP Fundamentals New course - TECI 165 Convergent Technologies

Term and year in which all students will have completed: Spring 2018

Year to reexamine program's status: 2018

Proposed by: Steve McGraw

Director of Teacher Education Signature:

Program Deletion

Department: WCCC-Info/Communication Technology

Degree Type: Tech Cert

Program: Tech Integration-Network Technician: 1322

Justification:

This program is being replaced by a new program that has updated courses and reflects current work force needs

Teach-out Plan:

There are no students in this program

Term and year in which all students will have completed: Fall 2017

Year to reexamine program's status: N/A

Proposed by: Steve McGraw

Director of Teacher Education Signature:

Program Deletion

Department: WCCC-Info/Communication Technology

Degree Type: Tech Cert

Program: Tech Integration-Telecommunication VoIP Technician: 1330

Justification:

This program is being replaced by a new program that is updated with additonal technologies and reflects current work force needs

Teach-out Plan:

There are no students in this program

Term and year in which all students will have completed: Fall 2017

Year to reexamine program's status: N/A

Proposed by: Steve McGraw

Director of Teacher Education Signature:

Department: WCCC-Manufacturing Supervision

Program Deletion

Department: WCCC-Manufacturing Supervision

Degree Type: Tech Cert (A-M)

Program: Manufacturing Supervision (not active 2016-17): 1339

Justification:

This program was deactivated in January 2015, and per the deactivation timeline, now needs to be officially deleted as there are no plans to reactivate it.

Teach-out Plan:

N/A

Term and year in which all students will have completed: Spring 2016

Year to reexamine program's status: N/A

Proposed by: Christine Murphy

Director of Teacher Education Signature:

Department: WCCC-Medical Office Assistant

Course Additions

MOAP 110 Credit Hours 4

Course Title: Medical Office Administration

Abbreviated Title: Medical Office Admin

Contact hours per week: Lecture 4 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 3000 Student preparation minutes: 6000

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

Intended semester to offer course 1st time: Fall 2017

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 ☐

WCCC AAS, Medical Office Assistant: 1396

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:

Learn to perform the administrative duties specifically used in medical offices.

Justification:

The justification for adding the course is updating the Associates of Applied Science degree in Medical Office Techology.

Topical course outline:

PROFESSIONAL AND CAREER RESPONSIBILITIES
- A. Career Opportunities
- B. Medical Practice Settings
- C. Legal and Ethical Responsibilities

II. INTERPERSONAL COMMUNICATIONS
- A. Front Office Requirements
- B. Telephone Procedures
- C. Appointment Scheduling

III. RECORDS MANAGEMENT
- A. Patient`s Medical Records
- B. Drug and Prescription Records
- C. Filing Procedures

IV. ADMINSTRATIVE RESPONSIBILITIES
- A. Office Maintenance and Management
- B. Written and transcribed Correspondence

Course Additions

C. Processing Mail and Telecommunications
D. Professional Reports and Travel Arrangements

V. COMMUNITY RESOURCES

Student Learning Outcomes:

Describe career possibilities and areas of specialization open to a medical administrative assistants, discuss how managed care affects the medical office, analyze health care settings and be able to compare and contrast their similarities and differences, define the different types of medical specialties (I)

Describe informed consent (I)

Explain the principle governing release, retention and subpoena of medical records (I)

Simulate the activities of a front desk medical administrative assistant such as greeting patients, managing a patient emergency, supervising the completion of written patient information, inspect and maintain orderliness in the reception room, and identify verbal and nonverbal communication in multicultural situations (II) Demonstrate the ability to coordinate answering service activities, role play incoming calls with courteously and knowledge, correctly write down messages, and explain the use of voice mail, conference calls and pagers (II)

Illustrate the ability to handle problem appointments and emergency situations diplomatically, enhance patient flow using proper scheduling techniques and manage referral appointments (II)

List the reasons for keeping a medical record, distinguish subjective from objective information, understand the contents of a history and physical examination report, and be able to describe the types of documents in the patients` record (III)

Demonstrate ability toread a prescription, explain the three types of drug names, and define the five schedules of controlled substances (III)

Determine the retention period for temporary and permanent record, understand the advantages of a numerical filing system, name the steps taken to control medical records, report how to transfer and dispose of records and confidential materials, and file patient records using standardized alphabetical rules (III)

Describe ways of increasing office productivity, set up a maintenance file for office equipment, correctly fill out a purchase order, list steps to minimize the incidence of fire, theft, and accidents, apply a routine for maintaining a running inventory of supplies, discuss reasons for staff meetings, show an understanding of the laws of medical waste disposal, and give examples of items in an office procedures manual and a employee handbook

Describe examples of the capabilities of word processing equipment and transcription machines, demonstrate proper proofreading techniques, identify types of memos and letters and use proper formats, use a transcription machine to prepare an office documents (IV)

Determine the most economical classification for mailing various communications, explain the rules and operating procedures for fax transmissions, and simulate the proper distribution of mail (IV)

Demonstrate the references available for further medical research and literature, summarize what a curriculum vitae is and how it is used, demonstrate the ability to set up all necessary travel arrangements for a business trip

Discussions with affected departments:

N/A

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Course Additions

MOAP 130 Credit Hours 3

Course Title: Medical Office Administration Insurance Billing and Coding

Abbreviated Title: Ins. Billing & Coding

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 2017

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 ☐

WCCC AAS, Medical Office Assistant: 1396

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:

IntroducIntroduction to outpatient coding with topics including identifying medical procedures and services performed (CPT codes), correlating the diagnosis, symptom, complaint or condition (ICD-9 codes), and establishing the medical necessity required for third-party reimbursement.

Justification:

The justification for adding the course is updating the Associates of Applied Science degree in Medical Office Techology.

Topical course outline:

I. ICD-9 Coding
II. CPT Coding
III. HCPCS Coding
IV. Billing and Collection
V. Filing a HCFA-1500 Claim Form
VI. Reimbursement, Auditing and Appeals

Student Learning Outcomes:

Identify the correct primary diagnoses; follow ICD-9 rules and regulations and code accurately by utilizing resources appropriately.

Describe the components of the evaluation and management codes, distinguish the different levels of service, and identify the specific categories and subcategories. Identify when modifiers are needed and use the appropriate code.

Describe through accurately and completely classify procedures applicable to:
Anesthesia, Integument system, Orthopedics, Cardiology ,OB/GYN , Radiology, Pathology,Lab

Define and distinguish what codes are HCPCS. Accurately and completely code supplies using HCPCS.

Course Additions

Prepare a ledger card showing charges, payments and adjustments and how the patient balance is affected. Identify the types of bookkeeping systems and billing cycles and know their advantages and disadvantages. Explain account aging and the purpose of the aging analysis.
Define information from the patient medical record to complete the HCFA 1500 form correctly. Differentiate between a participating and non- participating provider. Define and explain the two types of Medicare coverage. Define and explain the functions of managed care organizations and other third party payers and how they affect health care and reimbursement.
Describe the need for insurance claim follow-up. Identify problem claims and know how to request a review or pursue an appeal. Pinpoint discrepancies in billing and documentation. Recognize and identify audit flags, compliance concepts, and evaluation and management code guidelines.

Discussions with affected departments:

N/A

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Program Modification

Medical Office Assistant: 1396

Degree Type: AAS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Remove OFAD 118, OFAD 147, OFAD 249 and added four courses MOAP 110, MOAP 130 and MOAP 249, MOAP 131. Clearer justification of Essential Learning Requirements ENGL 111 and ENGL 112 or SPCH 102.

Justification:

Updating the Associates Degree of Applied Science in Medical Office Assistant renaming the OFAD programs to MOAP.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

N/A

Discussions with affected departments:

N/A

Proposed by: Christine Murphy

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: WCCC-Office Administration

Course Deletions

OFAD 118 Credit Hours 3

Course Title: Introduction to PC Applications

Essential Learning Course: Yes ☐ No ☑

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

WCCC AAS, Medical Office Assistant: 1396

WCCC AAS, Electric Lineworker: 1391

WCCC Tech Cert (A-M), Medical Office Assistant: 1158

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

Updating the Medical Office Assistant program. The course material is taught in new course.

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Course Deletions

OFAD 249 Credit Hours 3

Course Title: Medical Office Procedures

Essential Learning Course: Yes ☐ No ☑

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

WCCC AAS, Medical Office Assistant: 1396

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

Updating the Medical Office Assistant program. The course material is taught in new course.

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Department: WCCC-Real Estate Broker

Course Deletions

REEB 201 Credit Hours 6

Course Title: Real Estate Broker I

Essential Learning Course: Yes ☐ No ☑

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

WCCC Tech Cert (N-Z), Real Estate Broker: 1130

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

REEB 202

Co-requisite for other course(s): Yes ☑ No ☑

REEB 202, it is also being deleted.

Justification:

This course is soley used in the Real Estate Broker Certificate we are deleting.

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Course Deletions

REEB 202 Credit Hours 6

Course Title: Real Estate Broker II

Essential Learning Course: Yes ☐ No ☑

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

WCCC Tech Cert (N-Z), Real Estate Broker: 1130

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

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

This course is soley used in the Real Estate Broker Certificate that is being deleted.

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Program Deletion

Department: WCCC-Real Estate Broker

Degree Type: Tech Cert (N-Z)

Program: Real Estate Broker: 1130

Justification:

No Students have enrolled in the Real Estate Broker program for years. It previously was deactivated and needs to be deleted.

Teach-out Plan:

This program only has 2 courses in the program, they are not used by any other program. No one has been enrolled for years so no teach out is needed.

Term and year in which all students will have completed: Fall 2016

Year to reexamine program's status: N/A

Proposed by: Christine Murphy

Director of Teacher Education Signature:

Department: WCCC-Water Quality

Program Modification

Water Quality Management: 1365

Degree Type: AAS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Remove PROS 100, PROS 110, PROS 130, PROS 210, TECI 110 and WQMS 227 from degree requirements and add new course additions WQMS 126, WQMS 127, WQMS 150, WQMS 202, WQMS 203, WQMS 216 and modify course sequencing. Also, adding CHEM 121 and CHEM 121L to Essential Learning Requirements and removing them from the course requirments.

Justification:

The new courses needed in Water Quality Management will be added to help the student pass the Class A, B, C and D tests.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

N/A

Proposed by: Christine Murphy

Director of Teacher Education Signature:

Expected Implementation: Fall 2017