

Undergraduate Curriculum Committee
Meeting Minutes
February 24, 2022
via Zoom

Members Present: Eric Elliott, Denise McKenney, Geoffrey Gurka, Dan Schultz-Ela, Sarah Lanci, Olga Grisak, Sloane Milstein, Elaine Venter, Sean Flanigan, Brian Hosterman, Tiffany Kragnes, Nick Bardo, Scott Andrews, Wayne Smith

Members Absent: None

Guests Present: Shiang-Lih Chen McCain, Dongjun Rew, Logan Williams

Ex-officio members present: Maggie Bodyfelt, Morgan Bridge, Amber D'Ambrosio, Johanna Varner

Recording Secretary: Aaron Osborne

Chair Elliott called the meeting to order at 3:30pm.

I. Announcements

- A. Welcome to Scott Andrews who is replacing Matt Schlieff on the committee.
- B. CIM is closed and proposals are working their way through que for approval this spring.

II. Ex-Officio Reports

- A. Assistant Vice President of Academic Affairs for Assessment and Accreditation
 - 1. None
- B. Registrar's Office
 - 1. Courses approved this spring will not be available for registration until late April. There are other steps in the approval process after UCC that must be completed before the Registrar's Office can make the course available to students.
- C. Financial Aid Deputy Director Martin
 - 1. None
- D. Librarian D'Ambrosio
 - 1. Library assessments are completed. Librarian D'Ambrosio thanked all for the advance notifications received.
- E. Catalog Description Reviewer Varner
 - 1. Catalog Description Reviewer Varner stated that she will make small changes like a typo or comma inclusion without reaching out to the faculty initiating the proposal. However, she always reaches out when a substantive change is needed.

- F. Essential Learning
 - 1.Nothing

III. Curriculum Proposals

Summary of committee actions and additional details on curriculum proposals begins on page 3.

IV. Old Business

- A. None

V. Information Items

- A. Chair Elliott reminded the committee that a responsibility given to UCC is to ensure courses are not duplicated. When proposing new courses, please check the catalog to ensure the proposal is not duplicating a course that already exists.

VI. New Business

- A. None

Flanigan moved and Gurka seconded adjourning the meeting. With no objections from the committee, Chair Elliott adjourned the meeting at 3:40pm.

Respectfully submitted by Aaron Osborne, 2/24/2022.

Effective Term - Summer 2022	Programs
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The following is a summary: Additional information can be found on the individual curriculum proposals.

Proposal	Degree	Committee Action	Motion Second
1170: Decision Support Systems	PCT	Program Modification - Approved	Gurka Bardo

UCC Discussion: Update to program overview to remove information concerning programs no longer offered.

Change Item Description	Department Justification
List all proposed changes to the program	To remove the wording in program overview concerning the minor in Managerial Informatics and the BBA in Information Systems.
Justify each proposed modification to the program	Both the minor in Managerial Informatics and the BBA in Information Systems have been phased out (are no longer offered)
Describe discussions about this proposal within the department and outcomes	Changes approved by department vote in spring 2021

M470: Watershed Science	MNR	Program Modification - Approved	Lanci Gurka
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UCC Discussion: Replacing GEOL 355 and GEOL 455/455L with GEOL 414/414L which will combine the information from those courses in to this new course in the required courses. Moving GEOL 415/415L to the required courses from the electives. Review of the Watershed Science minor identified courses relevant to a Watershed curriculum. Adding components of regulatory compliance, wastewater, and GIS. Thus, ENVS 410, ENVS 431, and GIS 305 are being added to the “Restricted Electives” list.

Change Item Description	Department Justification
List all proposed changes to the program	I. We updated SLOs for the minor. II. In addition, in Program Specific Minor Requirements, we propose to: A. Replace GEOL 355 with GEOL 414/414L (new course) B. Replace GEOL 455/455L with GEOL 414/414L (new course) C. Add GEOL 415/415L (existing course) III. Reduce the "additional semester hours" to six (6) credit hours IV. Program Overview Changes V. Restricted Elective Changes

Justify each proposed modification to the program

I. There were no previous SLOs for the minor, so we have updated those. | II. In sum, the objective is to merge to existing courses (GEOL355 GEOL 455/455L) that will no longer be taught into a new course (GEOL 414/414L) [II.A. and II.B.]. Then, move an existing "elective" course into the "required" list (GEOL 415/415L) [II.C.] As a result of these changes, the three required courses for the Watershed minor will now be equally focused on the principle topic areas critical to watershed science: surface water, ground water, and water chemistry. | III. Since the "required" courses for the minor will now total twelve (12) credits and we desire to keep the minor at a total of eighteen (18) credits, we will reduce the "additional semester hours" of coursework to six (6) credits (down one from the previous seven). | IV. Program Overview Changes: Some minor edits to the Program Overview description to improve readability. A larger section was extracted to make the Program Overview more focused and to improve clarity: Extracted the component of the Overview about additional course requirement needed to fulfill requirements for qualification as a hydrologist. We felt this was a bit detailed and will be covered elsewhere in programmatic descriptions. Extracted the component of the Overview about the local geography. We felt this was a bit detailed and will be covered elsewhere in Programmatic descriptions. | V. Restricted Elective Changes: During our recent review of the Watershed Science minor (collaboration between the ENVS and GEOL Program faculty), several courses were identified as being relevant to a Watershed curriculum by adding components of regulatory compliance (which would help contribute to the new institutional "Ethics" SLO), wastewater (due to increasing importance in industry), and GIS (a very useful skill in industry). Thus, ENVS 410, ENVS 431, and GIS 305 are added to the "Restricted Electives" list.

Describe discussions about this proposal within the department and outcomes

In discussions from Spring 2020 through Fall 2021 between the Geology and Environmental Sciences Programs in the Department of PES--base on an initial exploration by an ad hoc committee containing faculty from both programs -- this modification of the Watershed Science minor was well supported and encouraged by water-related faculty and the respective program coordinators. No new resources are needed, as the faculty to teach the discussed courses have already been identified.

**3491: Liberal Arts,
Elementary Education:
Mathematics**

BA

**Program Modification -
Approved**

Lanci | Gurka

UCC Discussion: Replacing MATH 151 or MATH 146 with MATH 131 in program requirements, but footnoting that MATH 151 and MAHT 146 are acceptable substitutions for MATH 131. Program credit hours will not change once the MATH 389 proposals is approved to increase the course's credit hours from 1 to 2. No other discussions.

Change Item Description

List all proposed changes to the program

Justify each proposed modification to the program

Describe discussions about this proposal within the department and outcomes

Department Justification

1. Replaced MATH 146: Calculus for Biological Sciences with MATH 131: Applied Calculus in the program requirements | 2. Moved "or MATH 151: Calculus I" to be a footnote, instead of listed as an alternative to MATH 131: Applied Calculus. Added MATH 135: Engineering Calculus I to the footnote as well. [Footnote 2, while footnotes 3-5 were renumbered from 2-5 previously.] | 3. Increased the credit hours for MATH 389: Explorations in Mathematics for Elementary Educators from 1 to 2.

1. MATH 131: Applied Calculus was created to replace MATH 146: Calculus for Biological Sciences. Having fewer credits and a more general course title will help the course appeal to a broader audience of students across campus. | 2. MATH 151: Calculus I and MATH 135: Engineering Calculus I have a higher prerequisite course (MATH 119: Precalculus) than MATH 131 which has a prerequisite of MATH 113: College Algebra. As such, very few students use MATH 151 to fulfill the calculus requirement and the credit difference (5 instead of 4) means the course MATH 151 is not recommended choice. However, for advising purposes, we want the possible substitution to be clear, especially in the case that a student transfers in AP Calculus credit for MATH 151. | 3. Students must take a minimum number of math content credits/hours. The replacement of MATH 146: Calculus for Biological Sciences with MATH 131: Applied Calculus reduced the total by one credit and the increase in credits from 1 to 2 of MATH 389: Explorations in Mathematics for Elementary Educators replaces that math content credit for those students taking MATH 131.

Discussions to alter MATH 146 began in Fall 2020, knowing that modifications to that course would affect this program. The decision to create MATH 131 as a 4-credit course to replace MATH 146 and to add one credit to MATH 389 was finalized at a department meeting on 1/20/2022.

3127: Business Administration: Marketing	BBA	Program Modification - Approved	Gurka Bardo
UCC Discussion: Reducing general elective hours by 3 credits and adding MARK 375 to keep the program current with industry.			

Change Item Description	Department Justification
List all proposed changes to the program	Adding MARK 375-Digital Marketing into Marketing Nucleus. Reduce elective hours by three hours. Add MARK 375 and reduce elective hours in the plan of study.
Justify each proposed modification to the program	CMU's Marketing program needs updating to reflect changes arising from the digital era. The addition of a Digital Marketing course is intended to help keep the program current with emerging advancements in the marketing industry. Adding an additional required course necessitated reducing elective hours to stay within the 120-hour requirement.
Describe discussions about this proposal within the department and outcomes	The course was approved on Sept 22, 2021 faculty meeting.

M465: Statistics	MNR	Program Modification - Approved	Lanci Gurka
UCC Discussion: Replacing MATH 146 (being inactivated) with MATH 131 (covers same content) in a list of options. Total credit hours not effected.			

Change Item Description	Department Justification
List all proposed changes to the program	In the Program Requirements, replace MATH 146: Calculus for Biological Sciences with the new course, MATH 131: Applied Calculus. This course is in a list of three options and the total credits etc. are not affected.
Justify each proposed modification to the program	The Department of Mathematics and Statistics plans to inactivate MATH 146: Calculus for Biological Sciences (5 credits) and offer MATH 131: Applied Calculus (4 credits) instead. The new MATH 131 course still covers the desired content and is more appealing to students across programs at 4 credits instead of 5.
Describe discussions about this proposal within the department and outcomes	Discussions to alter MATH 146 began in Fall 2020. The decision to create MATH 131 as a 4-credit course was finalized at a department meeting on 1/20/2022.

**3443: Environmental
Science and Technology****BS****Program Modification -
Approved****Lanci | Gurka**

UCC Discussion: Replacing MATH 146 (being inactivated) with MATH 131 (covers same content) in a list of options in program requirements. Footnotes added to Essential Learning Natural Sciences requirement to explain specifications. Foundation courses CHEM 121/121L removed and other options rebuilt to make CHEM 131/131L mandatory and create a selection of either CHEM 123 or CHEM 132/132L. Footnote added to recommend CHEM 132/132L for students planning to attend graduate school. Footnote added for students who did not test into CHEM 131 in Essential Learning. Pollution and Ecosystem Restoration tracks updated in suggested course plan. Program hours increased from 119-121 to 119-122 because of change to ENVS 492 (2 to 3 hours). No other discussion.

Change Item Description**Department Justification**

List all proposed changes to the program

1. In the Program Requirements, replace MATH 146: Calculus for Biological Sciences with the new course, MATH 131: Applied Calculus. This course is in a list of three options and the total credits etc. are not affected. | 2. Added footnote #3 about replacing MATH 113: College Algebra with MATH 119A: Algebra for Calculus or MATH 119: Precalculus in Essential Learning | 3. Note that the footnote highlighted in green was not edited and is on the current program sheet posted in CMU's catalog. | 4. In the Foundation Courses Option 1, replace CHEM 121 and CHEM 121 L with CHEM 131 and CHEM 131L. | 5. Added footnote #5 in Essential Learning to remind students who did not test into CHEM 131 to take CHEM 111 for their natural science essential learning course since CHEM 111 is a pre-req for CHEM 131. | 6. Replaced CHEM 121 and CHEM 121L with CHEM 131 and CHEM 131 L from the Suggested Course Plans for the Pollution track and the Ecosystem Restoration tracks. | 7. Added a "(Students who did not pass the CHEM 131 placement exam should take CHEM 111)" after the "Essential Learning - Natural Science" in the Suggested Course Plan for both the Pollution and Ecosystem Restoration Track. Also added "without lab" to "Essential Learning - Natural Science." | 8. Program hours increased by one hour due to changing ENVS 492 from two hours to three hours. We are reducing restricted electives from 12-16 to 11-15 to make up the difference. | 9. Footnote and Program specific requirement adjustments to clean up program sheet.

Justify each proposed modification to the program

1. The Department of Mathematics and Statistics plans to inactivate MATH 146: Calculus for Biological Sciences (5 credits) and offer MATH 131: Applied Calculus (4 credits) instead. The new MATH 131 course still covers the desired content and is more appealing to students at 4 credits instead of 5. | 2. Footnote 3 in Essential Learning was added for advising purposes - students who know they want to take the calculus track (MATH 151: Calculus) (e.g. for grad school purposes) should take the prerequisite for that course in place of MATH 113: College Algebra. | 3. The Department of Chemistry is modifying their CHEM 121 and CHEM 121 L into a lower level chemistry that is insufficient to meet the requirements of the Environmental Science Program. CHEM 131 and CHEM 131 L is used to replace CHEM 121 and CHEM 121 L. | 4. Added Footnote #5 in Essential Learning Section and a note for students to take CHEM 111 if they did not test into CHEM 131 in the suggested course plans to remind students that they need to take CHEM 111, if necessary, in order to be ready to take CHEM 131, which is a program requirement now. | 5. Added "without lab" to "Essential Learning - Natural Science" in the suggested course plans to make it clearer for students the difference between Nat science essential learning course with lab and without lab. | 8. Program hours increased by one hour due to changing ENVS 492 from two hours to three hours. | 9. Footnote and Program specific requirement adjusted at request of Registrar's office.

Describe discussions about this proposal within the department and outcomes

Faculty in the ENVS program have met and discussed the changes associated with MATH and CHEM requirements within the program. All have agreed with the proposed changes.

3472: Geosciences: Geology **BS** **Program Modification - Approved** **Lanci | Gurka**

UCC Discussion: Moving GEOL 111/111L and GEOL 113/113L from Program Specific to Foundation Courses. Removing GEOL 355 and GEOL 455/455L for the Restricted Electives and adding GEOL 414/414L. General footnote cleanup. Removing GEOL 250, GEOL 355 from Restricted Electives. Removing STAT 311(not being offered) and replacing with STAT 301. No other discussion.

Change Item Description	Department Justification
List all proposed changes to the program	I. Update SLOs II. Remove GEOL 355 and GEOL 455/455L from the "restricted electives" list III. Add GEOL 414/414L in the "restricted electives" list IV. Move GEOL 111/111L GEOL 113/113L to "foundation" course list (with only one of the two sequences required) V. Clean up on footnotes in Program Specific Requirements restricted electives list and Essential Learning. VI. Cleaned up formatting on Foundation items. VII. Restricted Electives Changes

Justify each proposed modification to the program

I. The Program SLOs were reviewed previously by the CMU Assessment Committee, and have been modified and updated to more clearly align with the university-level SLOs. The Geology Program underwent an SLO review by the CMU Assessment Committee during a Program Review, and several suggested changes/modifications have been made based on those recommendations and additional review by the Geology Program Faculty. | II. GEOL 355 and GEOL 455/455L will not be taught in the foreseeable future | III. A newly-created course GEOL 414/414L (Hydrology and River Dynamics) is a result of merging the course content and Course SLOs of GEOL 355 (Basic Hydrology) and GEOL 455/455L (River Dynamics). The new course (GEOL 414/414L) was created due to real perceived overlap between GEOL 355 GEOL 455/455L, and will allow for student to take additional courses as "restricted electives" in their degree curriculum by taking GEOL 414/414L for 4 credits to receive the same content as when previously taking GEOL 355 GEOL 455/455L (for a combined 7 credits). Note: The new "merged" course is also being addressed in the Watershed Science minor and the BS Geoscience: Environmental Geology major (both in the Geology Program). | IV. The Geology Program faculty agree that the first lecture/lab sequence expected of students is GEOL 111/111L or GEOL 113/113L, and all other courses-- even if these sequences are not specifically listed as such--are critical "foundational" knowledge for any other GEOL courses. By shifting this sequence to the foundation list, we will be able to add additional courses as requirements (see III., below). | V. Footnote clean up provides greater clarity in restricted electives. Essential Learning footnote was unnecessary and likely was a migration error when CourseLeaf loaded catalog. | VI. Formatting adjusted to align with standard guidelines. | VII. Restricted Electives Changes: GEOL250 - Removed because it will not help students by counting towards the required 40 upper-level credit requirements (only a 200-level course). Also, the material covered is now focused in the [Geosciences: Environmental Geology] degree so not required in the [Geosciences: Geology] curriculum. GEOL355 - Removed because this course will no longer be taught. GEOL 455/455L - Removed because this course will no longer be taught. STAT 311 - Removed and replace by STAT 301 at the behest of the Statistics Program, which is no longer teaching STAT 311 and suggested STAT 301 in place.

Describe discussions about this proposal within the department and outcomes

In discussions from Spring 2020 through Fall 2021 between the Geology and Environmental Sciences Programs in the Department of PES--base on an initial exploration by an ad hoc committee containing faculty from both programs -- this modification of the Watershed Science minor was well supported and encouraged by water-related faculty and the respective program coordinators. No new resources are needed, as the faculty to teach the discussed courses have already been identified.

**3438: Mathematics:
Actuarial Science**

BS Edited

Lanci | Gurka

UCC Discussion: Removing FINA 412 from the program sheet. Placing FINA 301 into the program as a concentration elective, and have students take one more class from the concentration elective options. No other discussions.

Change Item Description

List all proposed changes to the program

Justify each proposed modification to the program

Describe discussions about this proposal within the department and outcomes

Department Justification

Remove FINA 412 from the program sheet. Place FINA 301 into the program as a concentration elective, and have students take one more class from the concentration elective options. Include the last program SLO - this was approved with the program addition in 2019, but is missing from the catalog and program sheets.

FINA 412 is no longer being offered, so it needs to be removed from the program sheet. After internal discussion, discussion with the Business department, and assessment of comparable programs at other institutions, FINA 301 is the most appropriate replacement. We will not be requiring students to take this course, as it has an additional three-hour prerequisite. Instead, we will add it to Group B within the concentration electives section and require students to take an additional course from among those electives.

Multiple possible replacement options were discussed within the department and among statistics faculty. We also solicited feedback from several business faculty. This route was agreed upon as the most appropriate for maintaining the same scope and rigor of the program while retaining flexibility for students. The department head of business was notified of this proposed change via email on December 7, 2021.

3437: Mathematics: Applied Mathematics	BS	Program Modification - Approved	Lanci Gurka
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UCC Discussion: Changing CSCI 310 to CSCI 112 or CSCI 260 in Concentration Courses. Adding CSCI 365 in the listing of Concentration Electives. Adjusting general elective total credits (from 117-123 to 118-122) and course sequencing. No other discussions.

Change Item Description	Department Justification
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List all proposed changes to the program

(1) In the listing of Concentration Courses, change CSCI 310: Advanced Programming to "CSCI 112 CS2: Data Structures or CSCI 260: Introduction to Database". (2) In the listing of Concentration Electives, Category 1, add CSCI 365: Data Mining. (3) Adjusted general elective total credits and course sequencing.

Justify each proposed modification to the program

(1) The Computer Science program is changing the prerequisite for CSCI 310: Advanced Programming from "CSCI 111 or CSCI 110 or CSCI 130" to "CSCI 250 CS3: Introduction to Algorithms". This new prerequisite, CSCI 250 CS3: Introduction to Algorithms, has its own prerequisite of CSCI 112 CS2: Data Structures. Thus, the prerequisite change to CSCI 310 creates hidden extra requirements of two courses for the Applied Math students. In terms of credit hours, the Applied Math program does not have room for the additional course requirements. The replacement courses, CSCI 112 or CSCI 260, offer viable alternative courses in computer science for the Applied Math students. When the Applied Math program was originally created, the role of CSCI 310 was to provide additional exposure to topics in computer programming, rather than fulfill a specific content requirement. This role will be better fulfilled by CSCI 112 and CSCI 260. (2) CSCI 365: Data Mining is a relatively new course that is part of the new Data Science professional certificate. Having CSCI 365 as an option for Applied Math students interested in Data Science would be good addition to the Applied Math program. CSCI 380: Operations Research is already a Category 1 elective, and CSCI 365: Data Mining would be a suitable elective as well. (3) Adjusted general elective total credits and course sequencing were to reflect changes in (1), including the spring-only offering of CSCI 260 and the fall-only offering of the only 4-credit concentration elective.

Describe discussions about this proposal within the department and outcomes

The Department of Mathematics and Statistics was notified of the prerequisite change to CSCI 310: Advanced Programming on 1/31/2022. After internal discussions about appropriate course replacements, an email was sent to notify department faculty and to provide a comment period. Once the number of tenured/tenure-track faculty approving the change (via email) reached a majority, the modification form was submitted.

3430: Mathematics: Secondary Education	BS	Program Modification - Approved	Lanci Gurka
<p>UCC Discussion: Including MATH 119A and MATH 119B as an alternative to MATH 119 in Essential Learning; this option is listed as footnote 3 and the previous footnote 3 is now numbered 4. No other discussions.</p>			
Change Item Description	Department Justification		
List all proposed changes to the program	<p>1. Include MATH 119A: Algebra for Calculus and MATH 119B: Trigonometry for Calculus as an alternative to MATH 119: Precalculus in Essential Learning; this option is listed as footnote 3 and the previous footnote 3 is now numbered 4.</p>		
Justify each proposed modification to the program	<p>1. The completion of both MATH 119A and MATH 119B is equivalent to the one semester course MATH 119. The courses MATH 119A and MATH 119B combine to make a "stretch" version of MATH 119 and these courses were approved through curriculum in Dec 2021. The intent is for MATH 119A+MATH 119B (7 credits total) to be an alternative where ever MATH 119 is required in place of having students who need the prerequisite material complete the former sequence of MATH 113+MATH 119 (9 credit total). Note that for this program, students are expected to be ready for MATH 119: Precalculus. For those students who are, there is no change. For students who are not ready for MATH 119, the new course sequence reduces the total credits from 9 to 7.</p>		
Describe discussions about this proposal within the department and outcomes	<p>Many discussions within the Department of Mathematics and Statistics were had throughout Spring 2021 and Fall 2021 with regard to the creation of MATH 119A and MATH 119B (see curriculum forms for those courses). These courses were approved by the Undergraduate Curriculum Committee in Dec 2021. This proposal is follow-up to the addition of those new courses.</p>		

3473: Geosciences: Environmental Geology	BS	Program Modification - Approved	Lanci Gurka
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UCC Discussion: Moving GEOL 111/111L GEOL 113/113L to "foundation" course list. Moving GEOL 250 to the "core" course list from the "restricted electives" list). Moving GEOL 351 to the "required" course list from the "restricted electives" list. Removing GEOL 355 from the program specific and GEOL 455/455L from the "restricted electives" list. Adding GEOL 414/414L in the "restricted electives" list. General footnote cleanup. Restricted Electives Changes. GEOL 351 moving from the "Restricted Electives" list to the "Required Geology Courses" list. Removing GEOL 455/455L because it will no longer be taught. Removed STAT 311 because it will no longer be taught and replace by STAT 301.

Change Item Description	Department Justification
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List all proposed changes to the program

I. Update SLOs | II. Move GEOL 111/111L GEOL 113/113L to "foundation" course list (with only one of the two sequences required) | III.A. Move GEOL 250 to the "core" course list (from the "restricted electives" list) III.B. Move GEOL 351 to the "required" course list (from the "restricted electives" list) | IV.A. Remove GEOL 355 from the program specific and GEOL 455/455L from the "restricted electives" list IV.B. Add GEOL 414/414L in the "restricted electives" list | V. Clean up on footnotes in Program Specific Requirements restricted electives list and Essential Learning. | VI. Cleaned up formatting on Foundation items. | VII. Restricted Electives Changes.

Justify each proposed modification to the program

I. The Geology Program underwent an SLO review by the CMU Assessment Committee during a Program Review, and several suggested changes/modifications have been made based on those recommendations and additional review by the Geology Program Faculty. | II. The Geology Program faculty agree that the first lecture/lab sequence expected of students is GEOL 111/111L or GEOL 113/113L, and all other courses--even if these sequences are not specifically listed as such--are critical "foundational" knowledge for any other GEOL courses. By shifting this sequence to the foundation list, we will be able to add additional courses as requirements (see III., below). | III. Two courses are requested to be shifted to different lists within the basic curriculum, based on the desire of the Geology faculty to better incorporate the field of geochemistry into the student knowledge base. We request shifting GEOL 250 from a restricted elective to the core (III.A.) and shifting GEOL 351 from the restricted list to the required list (III.B.). | IV.A. A newly-created course GEOL 414/414L (Hydrology and River Dynamics) is a result of merging the course content and Course SLOs of GEOL 355 (Basic Hydrology) and GEOL 455/455L (River Dynamics). | IV.B. A new course (GEOL 414/414L) was created due to real perceived overlap between GEOL 355 GEOL 455/455L, and will allow for student to take addition courses as "restricted electives" in their degree curriculum by taking GEOL 414/414L for 4 credits to receive the same content as when previously taking GEOL 355 GEOL 455/455L (for a combined 7 credits). Note: This new "merged" course is also being addressed in the Watershed Science minor and the BS Geoscience: Geology major (both in the Geology Program). | V. Footnote clean up provides greater clarity in restricted electives. Essential Learning footnote was unnecessary and likely was a migration error when CourseLeaf loaded catalog. | VI. Formatting adjusted to align with standard guidelines. | VII. Restricted Electives Changes: GEOL 351 - Moved from the "Restricted Electives" list to the "Required Geology Courses" list, because Faculty discussion believes this material is sufficiently important to be required, not optional, for the [Geosciences: Environmental Geology] majors, based on continuing trends in the importance of water chemistry in the modern world. GEOL 455/455L - Removed because this course will no longer be taught. STAT 311 - Removed and replace by STAT 301 at the behest of the Statistics Program, which is no longer teaching STAT 311 and suggested STAT 301 in place.

Describe discussions about this proposal within the department and outcomes

In discussions from Spring 2020 through Spring 2021 between the Geosciences and Environmental Sciences Programs in the Department of PES, this new course proposal (and subsequent broader impacts) was well supported and encouraged by both water-related faculty and the respective program coordinators. The course will be added as a requirement of the Watershed Sciences Minor and BS Environmental Geology major (in place of GEOL355: Hydrology and GEOL 455/L, which will be inactivated).

Effective Term - Summer 2022		Courses
The following is a summary: Additional information can be found on the individual curriculum proposals.		
Proposal	Committee Action	Motion Second
MARK 375: Digital Marketing	Course Addition - Approved	Flanigan Bardo
UCC Discussion: New course to cover new marketing ideas brought on by the digital era. No other discussion.		
Change Item Description	Department Justification	
New Proposal: No differences to report	Our current courses cover only traditional media and there is a need to have one course for this digital era. Therefore, our curriculum will connect and correspond to the ever-changing emerging advancements in the marketing industry.	
MARK 432: Advanced Marketing	Course Modification - Approved	Lanci Gurka
UCC Discussion: Very minor course description change. Removed the prerequisites of MARK 350 or CISB 341 and added CISB 241 or Stat 241. The requirement for quantitative decision-making competency can be fulfilled by CISB 241 or STAT 241. The requirement for the second level of quantitative decision-making competency (MARK 350 and CISB 341) is minimal to non-existent and will be covered if and as necessary in the course. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	In-depth complex marketing problems confronting modern business. Development of marketing strategy to allow the firm to progress toward its corporate objectives.	In-depth complex marketing problems confronting modern businesses. Development of marketing strategy to allow a firm to progress toward its corporate objectives.
Prerequisites:	MARK 231 and MARK 350 or CISB 341	CISB 241 or STAT 241; and MARK 231
Academic engagement minutes per term:		2250
Student preparation minutes for a term:		4500

CHEM 123: Introduction to Environmental Chemistry	Course Modification - Approved	Lanci Gurka
UCC Discussion: Prerequisite course, CHEM 121/121L, is now serving as a survey course of chemistry for non-science majors. The appropriate course for science majors to take that will prepare them for the concepts covered in CHEM 123 is CHEM 131/131L.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Application of basic chemistry principles to the environment. Topics include aquatic and atmospheric chemistry, biogeochemical cycling of the elements required for life and structural organic chemistry as it applies to the physical and biological properties of persistent organic pollutants. Four lectures per week.	Application of basic chemistry principles to the environment. Topics include aquatic and atmospheric chemistry, biogeochemical cycling of the elements required for life and structural organic chemistry as it applies to the physical and biological properties of persistent organic pollutants.
Prerequisites:	CHEM 121/CHEM 121L	CHEM 131/CHEM 131L
Academic engagement minutes per term:		3000
Student preparation minutes for a term:		6000
MATH 494: Senior Seminar II	Course Inactivation - Approved	Lanci Gurka
UCC Discussion: Course no longer offered or required in any program and was replaced in an effort to streamline program requirements. No other discussions.		
Change Item Description	Department Justification	
Delete Proposal: No differences to report	As of Fall 2019, this course is no longer required in any program and therefore not offered. The two-semester sequence of MATH 484: Senior Seminar I and MATH 494: Senior seminar II was replaced by one 3-credit course, MATH 492: Senior Capstone. This change was to help streamline the program requirements and remove hurdles for those wanting to graduate in December but needing the spring semester Senior Seminar II course.	
MUSA 438: Singer's Diction 3: Russian	Course Inactivation - Approved	Lanci Gurka
UCC Discussion: No qualified faculty and unnecessary for any programs. No other discussions.		
Change Item Description	Department Justification	
Delete Proposal: No differences to report	It is deemed unnecessary to any of our degree programs. We no longer have faculty qualified to teach this course.	

MUSA 312: Electronic Music	Course Modification - Approved	Gurka Lanci
UCC Discussion: Prerequisite MUSA 111 added. Students need a minimum level of music technology background for success in this class. No other discussions.		
Change Item Description	Old	New
Prerequisites:		MUSA 111
The following MUSP courses are not currently offered and have not been offered for several years. This decision is to clean up course offerings in preparation for the NASM re-accreditation in the Spring of 2022.		
MUSP 146: Community Performance Organizations	Course Inactivation - Approved	Lanci Gurka
MUSP 148: Chamber Orchestra	Course Inactivation - Approved	Lanci Gurka
MUSP 246: Community Performance Organizations	Course Inactivation - Approved	Lanci Gurka
MUSP 248: Chamber Orchestra	Course Inactivation - Approved	Lanci Gurka
MUSP 346: Community Performance Organizations	Course Inactivation - Approved	Lanci Gurka
MUSP 348: Chamber Orchestra	Course Inactivation - Approved	Lanci Gurka
MUSP 446: Community Performance Organizations	Course Inactivation - Approved	Lanci Gurka
MUSP 448: Chamber Orchestra	Course Inactivation - Approved	Lanci Gurka