Notice of Change for the B.A. in Chinese
Date: Jan 10, 2014

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Modern Languages
College: A \& S
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: N/A
First degree date: N/A

## 4. Intended location of the program <br> URI Kingston

## 5. Summary description of proposed program (not to exceed 2 pages).

The Language Department requests the following, very minor change to the degree requirements for the B.A. in Chinese.

Background and Rationale:
Current catalog language states that CHN 101 and 102 do not count for the major. While CHN 101 and 102 ( 3 credits each) are still offered, we increasingly offer the intensive courses CHN 111 and CHN 112 ( 4 credits each). CHN 111 meets five days a week and covers the same material as CHN 101 and 102. Therefore, beginning with CHN 112, courses need to count for the major. The current catalog language needs to be changed to reflect the fact that CHN 111 does not count toward the major, but CHN 112 does.

If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.

## Existing catalog language (first sentence):

Students selecting the Chinese major are required to complete at least 30 credits (maximum 45 ) in Chinese, not including CHN 101, 102 or equivalent.

Proposed catalog language (replacing the above-stated first sentence):
Students selecting the Chinese major are required to complete at least 30 credits (maximum 45) in Chinese, not including CHN 101, 102, 111 or equivalent. CHN 112 will count toward the 30 credits required for the major."

## 6. Signature of the President

[^0]Notice of Change for the B.A. in Chinese
Date: Jan 10, 2014

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Modern Languages
College: A \& S
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: N/A
First degree date: N/A

## 4. Intended location of the program <br> URI Kingston

## 5. Summary description of proposed program (not to exceed 2 pages).

The Language Department requests the following, very minor change to the degree requirements for the B.A. in Chinese.

Background and Rationale:
Current catalog language states that CHN 101 and 102 do not count for the major. While CHN 101 and 102 ( 3 credits each) are still offered, we increasingly offer the intensive courses CHN 111 and CHN 112 ( 4 credits each). CHN 111 meets five days a week and covers the same material as CHN 101 and 102. Therefore, beginning with CHN 112, courses need to count for the major. The current catalog language needs to be changed to reflect the fact that CHN 111 does not count toward the major, but CHN 112 does.

If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.

## Existing catalog language (first sentence):

Students selecting the Chinese major are required to complete at least 30 credits (maximum 45 ) in Chinese, not including CHN 101, 102 or equivalent.

Proposed catalog language (replacing the above-stated first sentence):
Students selecting the Chinese major are required to complete at least 30 credits (maximum 45) in Chinese, not including CHN 101, 102, 111 or equivalent. CHN 112 will count toward the 30 credits required for the major."

## 6. Signature of the President

[^1]Chinese-BA
120 Total Credits Required
30-45 Major Credits Required

Fall 2011 - Spring 2014
This form is for reference only. Students should consult catalog to confirm degree requirements.

## General Education Requirements:

| Discipline | Course | Semester | Grade |
| :---: | :---: | :---: | :---: |
| Fine Arts: $3 \text { Cr. (A) }$ |  |  |  |
| Literature: $3 \text { Cr. (A) }$ |  |  |  |
| Letters |  |  |  |
| 6 Cr. (L) |  |  |  |
| Natural Sciences: |  |  |  |
| 6 Cr. (N) |  |  |  |
| Social Sciences: |  |  |  |
| $6 \text { Cr. (S) }$ |  |  |  |
| Communication: 3 Cr. (EC) |  |  |  |
| Writing: 3 Cr. (ECW) |  |  |  |
| Language/Culture: |  |  |  |
| 6 Cr. (FC) |  |  |  |
| Mathematics: <br> 3 Cr. (MQ) |  |  |  |

* For a list of courses that satisfy General Education requirements consult the Arts \& Sciences (pg. 49) requirements found in the catalog from the term that the student first matriculated at URI.
** Courses must come from different course codes.
*** General Education credits cannot be satisfied by courses from major course code unless student has more than one major.


## IEP, INTERNATIONAL BUSINESS, and CHINESE FLAGSHIP PROGRAM STUDENTS PLEASE NOTE:

- IEP , International Business, or Chinese Flagship program students may use 3 credits of Chinese Literature towards the Fine Art and Literature toward the Basic Liberal Studies requirement.
- In addition, students in these programs are exempt from the one-course-per-discipline rule in Letters, Social Sciences \& Natural Sciences.

Upper-Level Courses (300+ level) All Course Codes - 42 Credits Total Necessary

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## Elective Credits

Students are encouraged to study at least one other discipline of interest. Double majors and/or minors may be constructed from these elective courses. To complement the major, you may also fulfill 6 - 15 of your 300 level elective credits by completing an internship. Contact your advisor and visit http://www.uri.edul/internships/

| Course \# | Semester | Grade | Credits |
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- If you are exploring this major CHN 101 and 102 will provide an introduction to the major but will not fulfill major requirements.
- Requirements to transfer from University College to the College of Arts \& Sciences:

A minimum of 24 earned credits and a cumulative GPA of 2.00 or higher.

## MINORS:

If you plan to complete a minor, speak to your University College advisor as soon as possible. The form may be filed when you transfer to Arts and Sciences or when you reach 60 credits-whichever comes first. Minor forms are available in 257
Chafee or online at:
www.uri.edu/artsci/forms/pdf/Minor_Form.pdf
Minors consist of a minimum of 18 credits. Classes in your minor do not have to be complete prior to filing your minor form with the Dean's Office, but you must include all classes required for the minor on the form.

## CREDIT TOTALS:

Elective credits make up the difference between a student's major requirements, general education requirements, minor requirements, and the minimum number of credits required for graduation.

General Education Credits:
Major Credits (for all majors):
Minor Credits (for all minors): $\qquad$
Elective Credits:
Total:
*At least 42 credits must be at the 300/400-level.

Chinese-BA
120 Total Credits Required
30-45 Major Credits Required

Fall 2011 - Spring 2014
This form is for reference only. Students should consult catalog to confirm degree requirements.

## General Education Requirements:

| Discipline | Course | Semester | Grade |
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| Literature: $3 \text { Cr. (A) }$ |  |  |  |
| Letters |  |  |  |
| 6 Cr. (L) |  |  |  |
| Natural Sciences: |  |  |  |
| 6 Cr. (N) |  |  |  |
| Social Sciences: |  |  |  |
| $6 \text { Cr. (S) }$ |  |  |  |
| Communication: 3 Cr. (EC) |  |  |  |
| Writing: 3 Cr. (ECW) |  |  |  |
| Language/Culture: |  |  |  |
| 6 Cr. (FC) |  |  |  |
| Mathematics: <br> 3 Cr. (MQ) |  |  |  |

* For a list of courses that satisfy General Education requirements consult the Arts \& Sciences (pg. 49) requirements found in the catalog from the term that the student first matriculated at URI.
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Minor Credits (for all minors): $\qquad$
Elective Credits:
Total:
*At least 42 credits must be at the 300/400-level.

Chinese-BA
120 Total Credits Required
30-45 Major Credits Required

## Fall 2011 - Spring 2014

This form is for reference only. Students should consult catalog to confirm degree requirements.

Major Required Courses:


General Education Requirements:

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| :---: | :---: | :---: | :---: |
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| Literature: <br> 3 Cr. (A) |  |  |  |
| Letters: <br> 6 Cr. (L) |  |  |  |
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| Natural Sciences: <br> 6 Cr. (N) |  |  |  |
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General Education Credits:
Major Credits (for all majors):
Minor Credits (for all minors):
Elective Credits:
Total:
$120^{*}$
*At least 42 credits must be at the $300 / 400-$ level.

Notice of Change for Bachelor of Arts in Computer Science Date: 6/17/2013

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Computer Science and Statistics
College: Arts and Sciences
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date:
First degree date:

## 4. Intended location of the program

Kingston

## 5. Summary description of proposed program (not to exceed 2 pages)

Change paragraph in catalog from:
"In order to transfer from University College to the College of Arts and Sciences as a B.A. computer science major (or to be coded as such in the College of Arts and Sciences), a student must have completed CSC 211, CSC 212, and MTH 141, and must have at least a 2.00 GPA in all CSC and MTH courses required in the B.A. program that have been completed at the time of the application for transfer."
to
"In order to transfer from University College to the College of Arts and Sciences as a B.A. computer science major (or to be coded as such in the College of Arts and Sciences), a student must have completed CSC 211, CSC 212, and MTH 141, and must have at least a 2.00 cumulative GPA in all CSC and MTH courses required in the B.A. program that have been completed at the time of the application for transfer."

## 6. Signature of the President

David M. Dooley

## Computer Science BA Program Modification Summary Description

## Overview:

The Department of Computer Science and Statistics is proposing a modification to the BA program in Computer Science. This proposal includes addition of courses, modifications to courses and modification to program requirements.

## Purpose:

The goals of the proposed program changes are as follows:
a) To maintain an up-to-date curriculum
b) To attract students to the program
c) To retain students in the program
d) To ensure that the program expected student outcomes are being met

In order to attain these goals, the Undergraduate Affairs Committee of the Department underwent a year-long review of the existing program to examine where changes were necessary. This review involved consideration of the following:
a) Faculty expertise and experience in the field. Each faculty member in the Department participated in the curriculum review, providing input about his/her area of expertise.
b) Results of preliminary assessment of program outcomes. At the time of the start of the program review, the Department had completed several steps in the assessment of the program. The results of this assessment indicated the following:
i. Students need more exposure to programming throughout the curriculum
ii. Students need a gentler introduction to programming in the early classes
c) Survey of existing programs in comparable universities. The Undergraduate Affairs Committee surveyed Computer Science BA programs from over 20 other universities with comparable student populations. From this survey, we were able to identify best practices in Computer Science programs.

## New Courses:

As part of this proposal, the Department is including four new courses:
CSC 106 - The Joy of Programming
The art of problem solving through computer programming. Students explore engaging and exciting applications that may include mobile apps, multimedia, computer games, puzzles, robotics, graphics and animation, social networking, physical computing.

Three open-ended courses so that the Department can offer special topics in computing at various levels.

CSC 192 - Introductory Topics in Computing
CSC 292 - Topics in Computing
CSC 392 - Intermediate Topics in Computing

## Course Modifications:

Several existing courses will be modified in order to enforce new course ordering and prerequisites of the proposed program. One of the main changes being proposed is to require that most of the 300-level and 400-level courses be taken only when a student is in a degree-granting college. This will allow us to enforce our rules about what students should complete before leaving University College.

## BA CSC Program Requirements:

Based on the results of the curricular review, the Department is proposing several changes to the BA Computer Science program. See attached curricular worksheets (old and proposed).

Summary of proposed program changes:

1) Addition of CSC 106 - This course will provide students entering the major with an inviting and engaging introduction to programming (see course proposal for detailed justification).
2) Removal of CSC 320 - In order to make room in the curriculum for the extra programming course, CSC 320 was removed as a requirement. Students may still take this course as an optional CSC elective.
3) Addition of one programming course - The previous requirements required students to take two CSC elective courses at the 300-level or above. Here we are requiring that one of these elective courses has a substantial programming component, chosen from a list of approved courses. This requirement was added to reinforce the expected student outcome of designing and implementing solutions to significant computational problems.
4) Addition of CSF elective option - The Digital Forensics and Cyber Security courses within the department have been assigned a new course code - CSF (proposal currently in final stages of approval). This modification allows students to take one CSF course as a professional elective.
5) Change MTH 215 requirement to list of choices - The previous curriculum required MTH 215 as the second math course. The proposed curriculum allows students to choose from a list of approved courses for the second math course. This change was made because any of the courses in the list will provide students with the core mathematical concepts specified in the expected student outcomes for the BA program.
6) Addition of HPR 112 to WRT requirement - HPR 112 is the honors version of one of the writing courses that we already allow, so it was added to the list.
7) Removal of COM requirement - The previous curriculum required a COM course. The proposed curriculum removes this requirement and defers to the General Education requirements.

Notice of Change for Modifications to the BA in Computer Science Date: 08/17/2013

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Computer Science and Statistics
College: Arts and Sciences
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: September 2014
First degree date: May 2018
4. Intended location of the program

Kingston Campus
5. Summary description of proposed program (not to exceed 2 pages).

See attached BA Program Modification Summary Description
If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.
6. Signature of the President

David M. Dooley

36-51 Major Credits Required

Major Required Courses:

| Course \# | Semester | \# Credits | Grade |
| :---: | :---: | :---: | :---: |
| CSC 110 |  | 4 |  |
| CSC 211 |  | 4 |  |
| CSC 212 |  | 4 |  |
| CSC 301 |  | 4 |  |
| CSC 305 |  | 4 |  |
| CSC 320 |  | 4 |  |
| CSC 411 or 412 |  | 4 |  |
| Two CSC cours |  |  |  |

Two CSC courses at the 300-level or above. CSC 491,492 , and 499 may only be used with departmental permission

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Additional Major Requirements:

| Course \# | Semester | \# Credits | Grade |
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| MTH 141+\& |  | 4 |  |
| MTH 215 |  | 3 |  |
| COM $\#$ |  | 3 |  |

Two writing courses ( 6 credits) chosen from the following: WRT 104, 201 or 333. H

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Fall 2013 - Spring 2014
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| 6 Cr. (L) |  |  |  |
| Natural Sciences: |  |  |  |
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| Communication: <br> 3 Cr. (EC) |  |  |  |
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| Mathematics: $3 \text { Cr. (MQ) }$ |  |  |  |

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$\ddagger$ Students choosing to take COM 100 for the required COM course may use it to fulfill both the major and the general education requirement.

HStudents' MTH 141 and WRT courses will fulfill both major and general education requirements.

Upper-Level Courses (300+ level) All Course Codes - 42 Credits Total Necessary

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- If you are exploring this major CSC 110 and 211 will provide an introduction to the major.
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A minimum of 24 earned credits and a cumulative GPA of 2.00 or higher. Students must also complete CSC 211, 212, and MTH 141 and have a combined average of at least a 2.00 in all CSC and MTH courses required for the major at time of transfer.

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General Education Credits:
Major Credits (for all majors):
Minor Credits (for all minors):
Elective Credits:
Total:

[^2]121 Total Credits Required
36-51 Major Credits Required

PROPOSED

Major Required Courses:

| Major Required Courses: |  |  |  |
| :---: | :---: | :---: | :---: |
| Course \# | Semester | \# Credits | Grade |
| CSC 106 |  | 4 |  |
| CSC 110 |  | 4 |  |
| CSC 211 |  | 4 |  |
| CSC 212 |  | 4 |  |
| CSC 301 |  | 4 |  |
| CSC 305 |  | 4 |  |
| CSC 411 or 412 |  | 4 |  |
| One programming course from the following: CSC$450 *\|402 *\| 481 *\|406 *\| 415^{*}$ |  |  |  |
|  |  | 4 |  |
| One additional CSC or CSF course at 300-level or above. CSC 392, 491 or 492 may only be used with departmental permission. CSC 499 may not be used. |  |  |  |
|  |  | 4 |  |

One programming course from the following: CSC

| Major Required Courses: |  |  |  |
| :---: | :---: | :---: | :---: |
| Course \# | Semester | \# Credits | Grade |
| CSC 106 |  | 4 |  |
| CSC 110 |  | 4 |  |
| CSC 211 |  | 4 |  |
| CSC 212 |  | 4 |  |
| CSC 301 |  | 4 |  |
| CSC 305 |  | 4 |  |
| CSC 411 or 412 |  | 4 |  |
| One programming course from the following: CSC$450 *\|402 *\| 481 *\|406 *\| 415^{*}$ |  |  |  |
|  |  | 4 |  |
| One additional CSC or CSF course at 300-level or above. CSC 392, 491 or 492 may only be used with departmental permission. CSC 499 may not be used. |  |  |  |
|  |  | 4 |  |

One additional CSC or CSF course at 300 -level or above. CSC 392, 491 or 492 may only be used with departmental permission. CSC 499 may not be used.

Additional Major Requirements:

| Course \# | Semester | \# Credits | Grade |
| :---: | :---: | :---: | :---: |
| MTH 141 $\ddagger$ |  | 4 |  |
| One more course from the <br> following list: MTH 142, 215, <br> CSC 340, STA 409 | 3 or 4 |  |  |
| Choose one from: WRT 104, WRT 106, HPR 112 and <br> one from WRT 201, WRT 333 $\ddagger$. |  |  |  |
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| $L$ |  |  |  |

This form is for reference only. Students should consult catalog to confirm degree requirements.

General Education Requirements:

| Discipline | Course | Semester | Grade |
| :---: | :---: | :---: | :---: |
| Fine Arts: <br> 3 Cr. (A) |  |  |  |
| Literature: $3 \text { Cr. (A) }$ |  |  |  |
| Letters: |  |  |  |
| 6 Cr. (L) |  |  |  |
| Natural Sciences: |  |  |  |
| 6Cr. (N) |  |  |  |
| Social Sciences: |  |  |  |
| $6 \text { Cr. (S) }$ |  |  |  |
| Communication: 3 Cr. (EC) |  |  |  |
| Writing: <br> 3 Cr. (ECW) |  |  |  |
| Language/Culture |  |  |  |
| 6 Cr. (FC) |  |  |  |
| Mathematics: $3 \text { Cr. (MQ) }$ |  |  |  |

* For a list of courses that satisfy General Education requirements consult the Arts \& Sciences requirements found in the catalog from the term that the student first matriculated at URI.
** Courses must come from different course codes.
*** General Education credits cannot be satisfied by courses from major course code unless student has more than one major.
$\ddagger$ Students' MTH 141 and WRT courses will fulfill both major and general education requirements.


## Lisa DiPippo 7/25/13 8:54 AM

Comment [1]: CSC 320 removed

Upper-Level Courses (300+ level) All Course Codes - $\mathbf{4 2}$ Credits Total Necessary

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
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[^3]
## Elective Credits

Students are encouraged to study at least one other discipline of interest. Double majors and/or minors may be constructed from these elective courses. To complement the major, you may also fulfill 6-15 of your 300 level elective credits by completing an internship. Contact your advisor and visit http://www.uri.edu/internships/

| Course \# | Semester | Grade | Credits | Course \# | Semester | Grade | Credits |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
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- If you are exploring this major CSC 106 and 110 will provide an introduction to the major.
- Requirements to transfer from University College to the College of Arts \& Sciences:

A minimum of 24 earned credits and a cumulative GPA of 2.00 or higher. Students must also complete CSC 211, 212, and MTH 141 and have a combined average of at least a 2.00 in all CSC and MTH courses required for the major at time of transfer.

## MINORS:

If you plan to complete a minor, speak to your University College advisor as soon as possible. The form may be filed when you transfer to Arts and Sciences or when you reach 60 credits-whichever comes first. Minor forms are available in 257 Chafee or online at:
www.uri.edu/artsci/forms/pdf/Minor_Form.pdf
Minors consist of a minimum of 18 credits. Classes in your minor do not have to be complete prior to filing your minor form with the Dean's Office, but you must include all classes required for the minor on the form.

## CREDIT TOTALS:

Elective credits make up the difference between a student's major requirements, general education requirements, minor requirements, and the minimum number of credits required for graduation.

General Education Credits:
Major Credits (for all majors):
$\qquad$

Minor Credits (for all minors): $\qquad$
Elective Credits: $\qquad$
Total: $\qquad$
121*
*At least 42 credits must be at the 300/400-level.

## Academic Program Proposal Cover Page

1. Name/Contact Information: Lisa DiPippo
2. Originating from (please fill in all that apply):

Computer Science and Statistics Arts and Sciences
(Department)
(School/College)
(Division)
3. Program type: Undergraduate $\triangle$ (attach Curriculum Sheet) Graduate $\square$ (attach List of Requirements)
4. Proposing New $\square$ or Change $\square$ to the following (see Instructions for definitions): (select all that apply) Department: $\square$ Degree: $\boxed{\boxed{V}}$ Program: $\boxed{\boxed{ }}$ Major: $\boxed{\substack{\text { Sub plan: } \\ \begin{array}{l}\text { (option, track, } \\ \text { concentration) }\end{array}}}$ Other: $\square$

Title/name of proposed Department:
Title/name of proposed Degree: Bachelor of Arts
Title/name of proposed Program: Computer Science
Title/name of proposed Major: Computer Science
Classification of instruction program (CIP) code: CIP Index 11.0701
Title/name of proposed Sub plan:
CIP code (if different from above): CIP Index
Other:
5. Proposed Degree(s) (BS, BA, BFA, MA, MS, Ph.D, etc.): BA
6. Intended initiation date: Term Fall Year 2014
7. Anticipated date of granting first degree: Spring 2018
8. Intended location of program: Kingston $\triangle$ Providence $\square$ Narragansett Bay Campus $\square$
9. Total Credits Required for Graduation: ( 120,130 , etc) 121
10. Certification/Licensing Requirements: Yes $\square$ (provide brief description) No $\square$
$\square$

Office Use Only:
College Curriculum Committee $\qquad$ Curricular Affairs Committee $\qquad$ Graduate Council $\qquad$ Faculty Senate $\qquad$ President $\qquad$ RIBGHE $\qquad$ Enrollment Services $\qquad$

Notice of Change for Bachelor of Science in Computer Science Date: 6/17/2013

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Computer Science and Statistics
College: Arts and Sciences
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date:
First degree date:

## 4. Intended location of the program

Kingston

## 5. Summary description of proposed program (not to exceed 2 pages)

Change paragraph in catalog from:
"In order to transfer from University College to Arts and Sciences as a B.S. computer science major (or to be coded as such in the College of Arts and Sciences), a student must have completed CSC 211, CSC 212, MTH 141, and MTH 142 and must have at least a 2.00 GPA in all CSC and MTH courses required in the B.S. program that have been completed at the time of the application for transfer."
to
"In order to transfer from University College to Arts and Sciences as a B.S. computer science major (or to be coded as such in the College of Arts and Sciences), a student must have completed CSC 211, CSC 212, MTH 141, and MTH 142 and must have at least a 2.00 cumulative GPA in all CSC and MTH courses required in the B.S. program that have been completed at the time of the application for transfer."

## 6. Signature of the President

David M. Dooley

Notice of Change for Modifications to the BS in Computer Science Date: 08/17/2013

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Computer Science and Statistics
College: Arts and Sciences
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: September 2014
First degree date: May 2018
4. Intended location of the program

Kingston Campus
5. Summary description of proposed program (not to exceed 2 pages).

See attached BS Program Modification Summary Description
If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.
6. Signature of the President

David M. Dooley

## Computer Science BS Program Modification Summary Description

## Overview:

The Department of Computer Science and Statistics is proposing a modification to the BS program in Computer Science. This proposal includes addition of courses, modifications to courses and modification to program requirements.

## Purpose:

The goals of the proposed program changes are as follows:
a) To maintain an up-to-date curriculum
b) To attract students to the program
c) To retain students in the program
d) To ensure that the program expected student outcomes are being met

In order to attain these goals, the Undergraduate Affairs Committee of the Department underwent a year-long review of the existing program to examine where changes were necessary. This review involved consideration of the following:
a) Faculty expertise and experience in the field. Each faculty member in the Department participated in the curriculum review, providing input about his/her area of expertise.
b) Results of preliminary assessment of program outcomes. At the time of the start of the program review, the Department had completed several steps in the assessment of the program. The results of this assessment indicated the following:
i. Students need more exposure to programming throughout the curriculum
ii. Students need a gentler introduction to programming in the early classes
c) Survey of existing programs in comparable universities. The Undergraduate Affairs Committee surveyed Computer Science BS programs from over 20 other universities with comparable student populations. From this survey, we were able to identify best practices in Computer Science programs.
d) Mapping to ACM/IEEE Computer Science Curricula 2013. The ACM/IEEE Curricula provide guidelines for ensuring that essential topics are covered in a program. We mapped our existing curriculum to these guidelines and found areas in which we were able to improve.

## New Courses:

As part of this proposal, the Department is including four new courses:
CSC 106 - The Joy of Programming
The art of problem solving through computer programming. Students explore engaging and exciting applications that may include mobile apps, multimedia, computer games, puzzles, robotics, graphics and animation, social networking, physical computing.

Three open-ended courses so that the Department can offer special topics in computing at various levels.

CSC 192 - Introductory Topics in Computing
CSC 292 - Topics in Computing
CSC 392 - Intermediate Topics in Computing

## Course Modifications:

Several existing courses will be modified in order to enforce new course ordering and prerequisites of the proposed program. One of the main changes being proposed is to require that most of the 300 -level and 400 -level courses be taken only when a student is in a degree-granting college. This will allow us to enforce our rules about what students should complete before leaving University College.

## BS CSC Program Requirements:

Based on the results of the curricular review, the Department is proposing several changes to the BS Computer Science program. See attached curricular worksheets (old and proposed) for details.

Summary of proposed program changes:

1) Addition of CSC 106 - This course will provide students entering the major with an inviting and engaging introduction to programming (see course proposal for detailed justification).
2) Removal of CSC 350/445 - In order to make room in the curriculum for the extra programming course, the requirement to take one of CSC 350 and CSC 445 was removed as a requirement. Students may still take these courses as an optional CSC electives.
3) Addition of one programming course - The addition of this requirement is to ensure that students have at least one elective course with a substantial programming component, chosen from a list of approved courses. This requirement was added to reinforce the expected student outcome of designing and implementing solutions to significant computational problems.
4) Addition of CSF elective option - The Digital Forensics and Cyber Security courses within the department have been assigned a new course code - CSF (proposal currently in final stages of approval). This modification allows students to take one CSF course as one of their professional electives.
5) Change MTH 243 and MTH 215 requirement to list of choices - The previous curriculum required MTH 243 and MTH 215. The proposed curriculum allows students to choose two from a list of approved courses instead. This change was made because any of the courses in the list will provide students
with the core mathematical concepts specified in the expected student outcomes for the BS program.
6) Change Physics requirement to list of choices: - The previous curriculum required PHY 203/273 and PHY 204/274. The proposed curriculum allows students to choose two from a list of approved courses. These courses are approved Natural Science General Education courses that have a lab component. This change was made because any of these courses will provide students with the desired experience in scientific reasoning that is specified in the expected student outcomes for the BS program.
7) Addition of HPR 112 to WRT requirement - HPR 112 is the honors version of one of the writing courses that we already allow, so it was added to the list.
8) Removal of COM requirement - The previous curriculum required a COM course. The proposed curriculum removes this requirement and defers to the General Education requirements.

## Assessment of Computer Science B.S. Program Modifications

## Overview:

The Department of Computer Science and Statistics is proposing several modifications to the B.S. degree in Computer Science. These changes have been motivated, in part, by results of previous assessment. This report highlights these motivations and presents the plan going forward for assessment of the program.

## Motivation for Modifications:

In the most recent Assessment Report provided by the department, we detailed the initial assessment of one Expected Student Outcome:
"Design, correctly implement and document solutions to significant computational problems"

In the report, we described the plan to have each student in the B.S. program provide a report about a substantial programming project that he/she completed in the course of the program. Our initial assessment results indicated that at least 80\% of graduating students were evaluated as "Good" or "Excellent". However, in this process, we determined that there might be a better way to assess this outcome, and furthermore, there should be a better way to ensure that students achieve the outcome.

Through less formal observations of the students in our program, we found that there was high attrition in the early introductory courses.

In the past year, the department underwent a substantial curricular review, and as part of this process, we decided to consider various ways to provide students with more opportunities to work on significant computation problems. We also focused on ways to engage, attract and retain students in our program. From this effort, we are proposing to add the following the our curriculum:

1) An additional introductory programming course (CSC 106). The objectives of this course are:
a. To expose students to programming in an exciting and engaging way.
b. To provide students with another semester of programming instruction before moving on to the more rigorous object-oriented programming course.
c. To retain students who may have dropped out of the major because they were not ready for the rigor of the object-oriented programming course.
d. To attract other students to the major through the inviting material in the course.
2) A requirement to take at least one course that has a substantial programming component. We compiled a list of existing courses that a student can choose from to fulfill this programming elective requirement. This new requirement will provide a more concise mechanism for assessing the outcome described above.

## Status of Program Assessment:

Our last assessment report, submitted in October 2011, reviewed the prior phases of assessment, and described the details of the assessment of the outcome described above. It provided scores for graduating students over three semesters and indicated that the early data from these semesters met our goal of at least $80 \%$ of students being evaluated as "Good" or "Excellent".

## Proposed Changes to Assessment Plan:

The changes to the Computer Science B.S. program that we are proposing will require that we change our assessment plan. These changes will include the following:

1) Modifications to the Expected Student Outcomes. These modifications are relatively minor, with several word changes to better represent measurable outcomes. We have also added a couple of outcomes to the B.S. program that better distinguishes it from the B.A. program (see attached document).
2) Modifications to the Curricular Mapping. The proposed curricular changes to the B.S. program include additional course requirements and changes to some of the non-major requirements (Math and Writing). These changes are reflected in the new curricular mapping (see attached document).
3) Modifications to the Assessment of Student Outcomes. As mentioned above, the bulk of the assessment that we have done already has involved the expected outcome described above. With the curricular modifications that we are proposing, the assessment of this outcome will change substantially. We expect that as students move through the new program, we will be able to assess this outcome by examining their performance in the required programming elective course.
Initial work that we have done towards the assessment of other outcomes will also have to be reexamined given the proposed changes.

## Proposal for May 2014 Assessment Plan:

The Department of Computer Science undergraduate programs are scheduled to provide an assessment update report in May 2014. Given the proposed modifications to our programs, we plan to provide the following in this report:

1) Modified Expected Student Outcomes
2) Modified Curricular Mapping
3) Modified Assessment Plan - This will include proposed Evidence and Actions for each of the outcomes, along with a timeline for Evaluation of the outcomes.

## Note About Assessment of B.A. Program:

The Department of Computer Science and Statistics also offers a B.A. in Computer Science. In our previous assessment reports, we have indicated that while we began our assessment with the B.S. program, we will eventually create a similar assessment plan for the B.A. program. Our proposed curricular changes include changes to the B.A. as well, so the modifications we are making to the assessment of the B.S. program will apply to the B.A. program when we begin that process.

## Computer Science B.S. Expected Student Outcomes

## Basics of the discipline

- Apply fundamental principles and methods of Computer Science to a wide range of applications
- Apply mathematical and scientific reasoning to a variety of computational problems
- Design, correctly implement and document solutions to significant computational problems


## Proficiency in computing

- Formulate solutions to computing problems
- Analyze and compare alternative solutions to computing problems
- Design and implement software systems that meet specified design and performance requirements
- Apply advanced algorithmic and mathematical concepts to the design and analysis of software
- Apply sound principles to the synthesis and analysis of computer systems


## Professional Development

- Work effectively in teams to design and implement solutions to computational problems
- Communicate effectively, both orally and in writing
- Think critically and creatively, both independently and with others
- Recognize the social and ethical responsibilities of a professional working in the discipline
- Adapt to new developments in the field of computer science


## Computer Science B.A. Expected Student Outcomes

## Basics of the discipline

- Apply fundamental principles and methods of Computer Science to a wide range of applications
- Design, correctly implement and document solutions to significant computational problems


## Proficiency in computing

- Formulate solutions to computing problems
- Analyze and compare alternative solutions to computing problems
- Design and implement effective solutions to computing problems
- Apply sound principles to the synthesis and analysis of computer systems


## Professional Development

- Work effectively in teams to design and implement solutions to computational problems
- Communicate effectively, both orally and in writing
- Think critically and creatively, both independently and with others
- Recognize the social and ethical responsibilities of a professional working in the discipline
- Adapt to new developments in the field of computer science

| Course \# | Semester | \#Credits | Grade |
| :---: | :---: | :---: | :---: |
| CSC 110 |  | 4 |  |
| CSC 211 |  | 4 |  |
| CSC 212 |  | 4 |  |
| CSC 301 |  | 4 |  |
| CSC 305 |  | 4 |  |
| CSC 340 |  | 4 |  |
| CSC 411 |  | 4 |  |
| CSC 412 |  | 4 |  |
| CSC 440 |  | 4 |  |
| CSC 499 |  | 8 |  |
| CSC 350 0r |  | 4 |  |
| 445 |  |  |  |

Two additional CSC courses at the 300-level or above. CSC 491 and 492 can only be used with departmental permission.

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Additional Major Requirements:

| Course \# | Semester | \#Credits | Grade |
| :---: | :---: | :---: | :---: |
| MTH 141+t |  | 4 |  |
| MTH 142 |  | 4 |  |
| MTH 215 |  | 3 |  |
| MTH 243 |  | 3 |  |

AND

| PHY 203, <br> $273+ \pm$ |  | 4 |  |
| :---: | :--- | :--- | :--- |
| PHY 204, <br> $274+:$ |  | 4 |  |

AND
COM $\ddagger$ $\qquad$ 1

Six(6) credits in writing chosen from: WRT 104, 201 or $333+$ +.

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Fall 2013 - Spring 2014
This form is for reference only. Students should consult catalog to confirm degree requirements.

| Discipline | Course | Semester | Grade |
| :---: | :--- | :--- | :--- |
| Fine Arts: <br> 3 Cr. (A) |  |  |  |
| Literature: <br> 3 Cr. (A) |  |  |  |
| Letters: <br> 6 Cr. (L) |  |  |  |
| Natural Sciences: <br> 6 Cr. (N) |  |  |  |
| Social Sciences: <br> 6 Cr. (S) |  |  |  |
| Communication: <br> 3 Cr. (EC) |  |  |  |
| Writing: <br> 3 Cr. (ECW) |  |  |  |
| Language/Culture: <br> 6 Cr. (FC) |  |  |  |
| Mathematics: <br> 3 Cr. (MQ) |  |  |  |

* For a list of courses that satisfy General Education requirements consult the Arts \& Sciences requirements found in the catalog from the term that the student first matriculated at URI.
** General Education credits cannot be satisfied by courses from major course code unless student has more than one major.
$\ddagger$ Students choosing to take COM 100 for the required COM course may use it to fulfill both the major and the general education requirement.
fiStudents' MTH, WRT, and PHY courses will fulfill both major and general education requirements.


## Elective Credits

Students are encouraged to study at least one other discipline of interest. Double majors and/or minors may be constructed from these elective courses. To complement the major, you may also fulfill 6 - 15 of your 300 level elective credits by completing an internship. Contact your advisor and visit
http://www.uri.edu/internships/

| Course \# | Semester | Grade | Credits |  Course \# Semester Grade Credits <br>      |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

- If you are exploring this major CSC 110 will provide an introduction to the major.
- Requirements to transfer from University College to the College of Arts \& Sciences:

A minimum of 24 earned credits and a cumulative GPA of 2.00 or higher. Students must also have completed CSC 211, 212 and MTH 141, 142 and must have at least a 2.00 GPA in all required CSC and MTH courses completed at the time of transfer.

## MINORS:

If you plan to complete a minor, speak to your
University College advisor as soon as possible. The form may be filed when you transfer to Arts and Sciences or when you reach 60 credits-whichever comes first. Minor forms are available in 257 Chafee or online at:
www.uri.edu/artsci/forms/pdf/Minor_Form.pdf
Minors consist of a minimum of 18 credits. Classes in your minor do not have to be complete prior to filing your minor form with the Dean's Office, but you must include all classes required for the minor on the form.

## CREDIT TOTALS:

Elective credits make up the difference between a student's major requirements, general education requirements, minor requirements, and the minimum number of credits required for graduation.

General Education Credits:
Major Credits (for all majors):
Minor Credits (for all minors):
Elective Credits:
Total: 129

124 Total Credits Required 56 Major Credits Required

Fall 2014 - Spring 2015
This form is for reference only. Students should consult catalog to confirm degree requirements.

| Course \# | Semester | \#Credits | Grade |
| :---: | :---: | :---: | :---: |
| CSC 106 |  | 4 |  |
| CSC 110 |  | 4 |  |
| CSC 211 |  | 4 |  |
| CSC 212 |  | 4 |  |
| CSC 301 |  | 4 |  |
| CSC 305 |  | 4 |  |
| CSC 340 |  | 4 |  |
| CSC 411 |  | 4 |  |
| CSC 412 |  | 4 |  |
| CSC 440 |  | 4 |  |
| CSC 499 |  | 4 |  |
| One extra programming course from the following: CSC 450* $\mid$ 402* $\mid$ 481* $\mid$ 406* $\mid$ 415* |  |  |  |
|  |  | 4 |  |

Two additional CSC or CSF courses at the 300-level or above. Only one of the two courses may be a CSF course. CSC 392, 491 and 492 may only be used with departmental permission. CSC 499 may not be used.


Additional Major Requirements:

| Course \# | Semester | \#Credits | Grade |
| :---: | :---: | :---: | :---: |
| MTH 141 $\ddagger$ |  | 4 |  |
| MTH 142 |  | 4 |  |
| Two courses from the following list: MTH 215, 243, <br> 244, 322, 362, 382, ISE 432, STA 409, 411, 412 |  |  |  |
|  |  | 3 |  |
|  |  | 3 |  |
| Nwo from: PHY 203/273, PHY 204/274, CHM 101/102,    <br> CHM 112/114, BIO 101, BIO 102, GEO 103, OCG 123    |  |  |  |
| Writing $\ddagger$ |  |  |  |


| Choose one from: WRT 104, WRT 106, HPR 112 and <br> one from WRT 201, WRT 333 $\ddagger$.$\|$ | 3 |  |
| :---: | :---: | :---: |

[^4]Lisa DiPippo 7/25/13 9:36 AM
Comment [1]: Change CSC 499 from 8 to 4 credits

## Lisa DiPippo 7/25/13 10:21 AM

Comment [2]: Remove CSC 350/445 requirement.

## Elective Credits

Students are encouraged to study at least one other discipline of interest. Double majors and/or minors may be constructed from these elective courses. To complement the major, you may also fulfill $6-15$ of your 300 level elective credits by completing an internship. Contact your advisor and visit
http://www.uri.edu/internships/

| Course \# | Semester | Grade | Credits | Course \# | Semester | Grade | Credits |
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- If you are exploring this major CSC 106 and CSC 110 will provide an introduction to the major.
- Requirements to transfer from University College to the College of Arts \& Sciences: A minimum of 24 earned credits and a cumulative GPA of 2.00 or higher. Students must also have completed CSC 211, 212 and MTH 141, 142 and must have at least a 2.00 combined GPA in all required CSC and MTH courses completed at the time of transfer.


## MINORS:

If you plan to complete a minor, speak to your University College advisor as soon as possible. The form may be filed when you transfer to Arts and Sciences or when you reach 60 credits-whichever comes first. Minor forms are available in 257
Chafee or online at:
www.uri.edu/artsci/forms/pdf/Minor_Form.pdf
Minors consist of a minimum of 18 credits. Classes in your minor do not have to be complete prior to filing your minor form with the Dean's Office, but you must include all classes required for the minor on the form.

## CREDIT TOTALS:

Elective credits make up the difference between a student's major requirements, general education requirements, minor requirements, and the minimum number of credits required for graduation.

General Education Credits: $\qquad$
Major Credits (for all majors): $\qquad$
Minor Credits (for all minors): $\qquad$
Elective Credits:
Total:

[^5]
## Academic Program Proposal Cover Page

1. Name/Contact Information: Lisa DiPippo
2. Originating from (please fill in all that apply):

Computer Science and Statistics Arts and Sciences
(Department)
(School/College)
(Division)
3. Program type: Undergraduate $\triangle$ (attach Curriculum Sheet) Graduate $\square$ (attach List of Requirements)
4. Proposing New $\square$ or Change $\square$ to the following (see Instructions for definitions): (select all that apply) Department: $\square$ Degree: $\boxed{\boxed{V}}$ Program: $\boxed{\boxed{ }}$ Major: $\boxed{\substack{\text { Sub plan: } \\ \begin{array}{l}\text { (option, track, } \\ \text { concentration) }\end{array}}}$ Other: $\square$

Title/name of proposed Department:
Title/name of proposed Degree: Bachelor of Arts
Title/name of proposed Program: Computer Science
Title/name of proposed Major: Computer Science
Classification of instruction program (CIP) code: CIP Index 11.0701
Title/name of proposed Sub plan:
CIP code (if different from above): CIP Index
Other:
5. Proposed Degree(s) (BS, BA, BFA, MA, MS, Ph.D, etc.): BA
6. Intended initiation date: Term Fall Year 2014
7. Anticipated date of granting first degree: Spring 2018
8. Intended location of program: Kingston $\triangle$ Providence $\square$ Narragansett Bay Campus $\square$
9. Total Credits Required for Graduation: ( 120,130 , etc) 121
10. Certification/Licensing Requirements: Yes $\square$ (provide brief description) No $\square$
$\square$

Office Use Only:
College Curriculum Committee $\qquad$ Curricular Affairs Committee $\qquad$ Graduate Council $\qquad$ Faculty Senate $\qquad$ President $\qquad$ RIBGHE $\qquad$ Enrollment Services $\qquad$

## Notice of Change for a Minor in Cyber Security

Date: 11/1/2012

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Computer Science and Statistics
College: Arts and Sciences
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.
Initiation date: Fall 2014 or when fully approved
First degree date: potentially Spring 2016
4. Intended location of the program

URI Kingston Campus
5. Summary description of proposed program (not to exceed 2 pages)
a. Overview: This program is designed to provide students with the fundamental technical, legal, and procedural concepts required in Cyber Security. Cyber Security is the discipline involved with preventing, detecting and responding to attacks on computer systems and networks. The field requires an in-depth understanding of computer systems and computer networks as well as social/legal issues, and accepted procedures.
b. Workforce or professional development need: The threats posed by cyber terrorism and cyber crime have been documented in the Center for Strategic and International Studies reports Securing Cyberspace for the $44^{\text {th }}$ Presidency $1^{1}$ and Cybersecurity Two Years Later ${ }^{2}$. Highlighted is the gross shortage of qualified cyber security professionals in the workforce including private sector, law enforcement, emergency management, and the military.

It is anticipated that the minor in Cyber Security will serve the needs of undergraduate students in various majors interested in obtaining a Network Security or Information Security position with government agencies, military organizations and in corporate

[^6]settings. The minor is designed to augment a student's major field of study with the pragmatics of Cyber Security and Information Assurance.
c. Existing curriculum: As outlined below, all courses in the minor will be drawn from currently existing courses offered by the URI Computer Science and Statistics Department, by other related departments, or from courses proposed concurrently with this proposal.
d. Major requirements: Students from any major may minor in Cyber Security.
e. Completion requirements: To complete a minor in Cyber Security a student must take the following courses:

- CSF 430 (Introduction to Information Assurance)*
- CSF 432 (Network and Systems Security)**
- CSF 434 (Topics in Network and Systems Security)**
- Plus two more courses from among the following:
- CSF 410 (Digital Forensics)*
- CSC 417 (Computer Communications)
- CSC 418 (Information and Network Security)
- HPR 108 (Honors Seminar in Mathematics - Cryptography)
- CSC 541 (Advanced Topics in Algorithms - Cryptography)
- CSF 524 (Advanced Incident Response)*
- CSF 536 (Advanced Intrusion Detection and Defense)*
- CSF 538 (Penetration Testing)**
- Other faculty approved course
* Existing course renumbered with new course code.
** New course proposed concurrently with this Notice of Change
f. Faculty: Several of the courses in this minor are new (proposed concurrently with this Notice of Change). The current teaching assignments for these classes are expected to be:
- CSF 430 - Dr. DiPippo - in load
- CSF 432 - Dr. Henry - in load
- CSF 434 - Dr. Henry - in load

Thus, the additional faculty resources required for this program are the equivalent of three per courses each year to replace the courses normally taught by Drs. DiPippo and Henry. These resources could also be addressed with $3 / 4$ of a full-time faculty member's teaching load.
g. Delivery format: Several of the courses required for this program will be offered online, while others will be offered in a traditional in-person format.
h. Monitoring of student progress: Students interested in the minor will meet with the Academic Director of the Cyber Security Program (Professor Lisa DiPippo) and complete a program of study. The Director will evaluate the student's progress toward the completion of that program of study each semester and advise the student accordingly.
i. Administration of program: The Academic Director of the Cyber Security Program will administer the minor in Cyber Security as a part of her existing duties with help from the administrative staff in the Department of Computer Science.
j. Estimate of student enrollment: We anticipate that in each cycle of the minor in Cyber Security we will have from 15 to 25 students. This estimate is based on initial interest in the Cyber Security courses that we began to offer in Spring 2012, and on inquiries from existing students who heard that we are planning to offer a minor in Cyber Security. Although the minor does not officially exist, and we have done very little advertising for the minor as of yet, up to 18 existing students have expressed serious interest in the program when it is approved. Further, at a recent Majors Fair and at two recent Open Houses for potential students, there was a strong interest from students in the potential for a minor in Cyber Security.

## 6. Signature of the President

David M. Dooley

# UNIVERSITY 

OF RHODE ISLAND
APPENDIX E

Notice of Change for Minor In Digital Forensics
Date: 10/30/2012

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Computer Science and Statistics
College: Arts and Science
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: Fall 2014 or when fully approved
First degree date: May 2015
4. Intended location of the program: URI Kingston
5. Summary description of proposed program

We are requesting three changes to the current Digital Forensics minor program:

- New course codes reflecting the change in digital forensics courses from a Computer Science (CSC) course code, to a Computer Forensics and Security (CSF) course code.
- The addition of a new required course: "CSF412: Digital Forensics Analysis" (making the minor have 3 required courses instead of its current 2, with all other courses coming from the listed courses by category). The new course will require an additional per-course instructor or allocation of an existing faculty member's in-load assignment. This is in addition to the two per-course instructors currently provided for the other two required courses in the minor.
- An adjustment of the optional courses to focus on criminalistics/legal aspects.

A Curriculum Sheet is attached on the next page.
6. Signature of the President

David M. Dooley

## Digital Forensics Minor Curriculum Sheet

18 credits required
RequiredCourses

- (4 credits) CSF 410 Digital Forensics
- (4 credits) CSF 412 Topics In Digital Forensics
- (4 credits) CSF 414 Digital Forensics Analysis

6creditsfrom:

- (3 credits) HPR 108 Intro To Computer Forensics
- (3 credits) CHM 392 Criminalistics*
- (3 credits) PSC 274/SOC 274 Criminal Justice System
- (3 credits) PSC 288 The American Legal System
- (1-3 credits) CSC 491 Independent Study In Computer Science
- ( $1-3$ credits) CSC 499 Internship in Computer Science
* CHM 392 may be replaced by transfer credits from CCRI that result from taking CCRI's LAWS 1030 Criminalistics I

All university minor requirements/restrictions apply.

## Notice of Change for Public Relations Program

Date: October 9, 2013

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Communication Studies: Public Relations Program
College: Arts \& Sciences
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: September, 2014
First degree date: May, 2016
4. Intended location of the program

Kingston Campus
5. Summary description of proposed program (not to exceed 2 pages). Please see attached.

If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.

Please refer to attachments.
6. Signature of the President

David M. Dooley

Rationale: Implement curriculum changes to the Public Relations Program at the Harrington School of Communication \& Media to sustain a robust, interdisciplinary learning environment complete with strategically- selected courses.

Historical Overview: An interdisciplinary program originally facilitated by the Journalism Department and Communication Studies, this 33 -credit program was originally comprised of three pre-major courses (COM202: Public Speaking; COM210: Persuasion and JOR220: Media Writing); five required courses (PRS340: PR Strategies; PRS441: PR Campaigns; PRS491: PR Internship; COM381: Research Methods; JOR341: Editing for Journalism) and electives - students complete six electives.

To effectively prepare our students for the ever-changing, complex global marketplace, a new course (WRT331: Writing Public Relations) was approved in the Spring of 2013 and will be offered in the Spring of 2014. As a result, PR students will no longer enroll in JOR220; students will complete WRT331 as a requirement of the Public Relations Program. Effective January, 2014, students will enroll in WRT331 once accepted to the Public Relations Program. This change allows for seat optimization by Journalism students in JOR220 and continues to strategically advance the Public Relations Program.

Competitive Analysis: In an effort to remain a competitive player in the academic landscape, a competitive analysis was conducted of the Public Relations Program. The analysis revealed our competitors (some of which are UConn, BU, Northeastern, and NYU) offer courses in Public Relations in various formats-some universities offer one course while others offer an array of courses. The Public Relations Program at the Harrington School of Communication Media maintains an interdisciplinary program of study immersing students in strategic and critical thinking; writing, marketing, communication studies and social media strategies. To continue to distinguish the Public Relations Program at the Harrington School of Communication \& Media, the Program will strategically focus on media relations and the growing sphere of social media strategies. Public Relations students will be immersed in a cohesive course of study resulting in students demonstrating proficiency in media relations.

Current Application Process for PR Program: The Public Relations Program currently accepts students with a minimum GPA of 2.00 overall and 2.50 in the pre-major courses. Students apply to the Public Relations Program in February of each year.

Requested Change: (Effective September, 2014)
*Application Process
*Program Change

## Application Process - Change GPA to 3.0

To remain a competitive player in the academic landscape, the application process will continue.

To distinguish this Program, the competitive application should be designed to attract motivated students with an exceptional GPA. Therefore, we request the GPA requirement of a 2.00 GPA overall and 2.50 GPA in the pre-major courses be changed to a 3.00 GPA overall and a 2.50 in the pre-major courses effective September, 2014. Exception: approval by the Chairperson of Communication Studies, since the Public Relations Program resides within Communication Studies.

## Program Change

To propel the Public Relations Program to meet both the competitive demands of the marketplace and the needs of our students, the following program changes are requested effective September, 2014: (listed below. For comparison, the existing Major's Worksheet is attached).

Exception: students currently considered "wanting Public Relations" with a catalog year of 2012, 2013 will follow the existing curriculum. Please refer to attachment.

## Public Relations Program: 39 credits (proposed changes to Program)

## Two Pre-Major Courses: ( 6 credits)

PRS100 - Introduction to Public Relations (required grade of B to advance in Program) COM202 - Public Speaking

## Required Courses: ( 21 credits)

WRT331- Writing Public Relations
PRS320- Strategic Media Relations
PRS340- PR Strategies
PR441-PR Campaigns
PRS491- PR Internship
COM381-Research Methods
JOR341-Editing for Journalism

The most notable change is the addition of PRS100: Introduction to Public Relations as a pre-major course. A strategic decision, the addition of this course will provide students interested in majoring in Public Relations with a comprehensive overview of the theories and concepts associated with public relations. Students will gain an understanding of Public Relations to include: historical overview; Code of Ethics; defining and understanding your public; overview of press releases, media advisories, managing the needs of the nonprofit. As a pre-major course, students have the opportunity to make an informed decision about pursuing Public Relations both as their Major and future career path. Equally important as a pre-major course is COM202: Public Speaking. This course provides students with the necessary skills to be proficient public speakers in a variety of venues.

The newly approved PRS320: Strategic Media Relations represents a significant advancement for the Program as students will develop media relations proficiencies. In addition, the proposal indicates students will complete four electives as opposed to the current program requiring six electives. The change in the number of electives will allow students to effectively manage this Program given the addition of a new major course.

Once accepted to the Public Relations Major, students will enroll in the required courses as identified above.

## Electives

Current requirement regarding electives: Currently, students enroll in a total of six electives resulting in 18 credits. Students will complete a minimum of one course per category.

Requested Change: With the addition of two required courses identified in the list of "Required Courses" (see above list), it is requested the number of electives be changed from six electives to four electives (one course from each category). This change will allow students to effectively manage a 39 -credit Major.

Request for change to electives: students select four electives with one from each category ( $\mathbf{1 2}$ credits).

| Category A: Writing | Category B: Marketing | Category C: <br> Communication | Category D: Specialty |
| :--- | :--- | :--- | :--- |
| JOR 321: Feature Writing | BUS 365: Principles of <br> Marketing | COM 302: Advanced Public <br> Speaking | COM 415: Ethics of Persuasion |
| WRT 201: Writing |  |  |  |
| Argumentative \& Persuasive |  |  |  |
| Texts | BUS 465: Marketing | Communication <br> for Business | BUS 468: Global Marketing |
| WRT 235: Writing in <br> Electronic Environments | COM 415: Ethics of Persuasion | JOR 410: Media Issues (Pre- |  |
| req: JOR 110 \& Senior or |  |  |  |
| Wermission of instructor) |  |  |  |

Resources: Existing resources (one full-time lecturer plus three per course instructors) will support the requested changes to this Program. In addition, a tenuretrack full-time faculty member will be hired in March, 2014. The hiring of the tenure-track faculty member will impact the delivery of courses.

Part of the Harrington School of Communication and Media (uri.edu/harrington), the Departments of Communication Studies and Journalism offer the Bachelor of Arts (B.A.) degree in public relations.

Contact: Regina Bell, Public Relations, (401) 874-2587.
This interdepartmental major combines a liberal arts education with the skills important to a career in public relations. Working with the Public Relations advisor, students will develop a specific program of studies.

Students must complete the following courses before being accepted into the major: COM 202, 210. Based on grade point average, only the top 40 applicants will be admitted annually. The major requires a minimum GPA of 2.00 overall and 2.50 in the pre-major courses. Apply in February.

The major requires 36 credits including PRS 340, 441, 491; COM 381; WRT 331 (prerequisite of a B in a WRT course), and JOR 341 (18). Students must complete six courses ( 18 credits) from the following including at least one course from each category-Category A: JOR 321, WRT 201, 235, 302, 303, 304, 333; Category B: BUS 365, 465, 468; Category C: COM 302, 351, 415, 450; Category D: COM 415; JOR 410, 442; PRS 200, 300, 442; PSY 335. A student must maintain a 2.00 grade point average in her or his major to meet graduation requirements.

A total of 120 credits is required for graduation. At least 42 of these must be at the 300 level or above.

A minor is also available (see Interdepartmental Minors).

Part of the Harrington School of Communication and Media (uri.edu/harrington), the Departments of Communication Studies and Journalism offer the Bachelor of Arts (B.A.) degree in public relations.

Contact: Regina Bell, Public Relations, (401) 874-2587.

This interdepartmental major combines a liberal arts education with the skills important to a career in public relations. Working with the Public Relations advisor, students will develop a specific program of studies.

Students must complete the following courses before being accepted into the major: PRS100: Intro to Public Relations and COM 202: Public Speaking. Based on grade point average, the top 40 applicants will be admitted annually. Students apply to the PR Program in February of each year. The major requires an overall GPA of 3.00 and a 2.50 PA in the pre-major courses. Exception: discretion of the Chairperson of Communication Studies.

The major requires 39 credits including PRS 340, 441, 491; COM 381; WRT 331 (prerequisite of a 200 level Writing course), and JOR 341 (18). Students must complete four courses ( 12 credits) from the following categories-Category A: JOR 321, WRT 201, 235, 302, 303, 304, 333; Category B: BUS 365, 465, 468; Category C: COM 302, 351, 415, 450; Category D: COM 415; JOR 410, 442; PRS 200, 300, 442; PSY 335. A student must maintain a 2.00 grade point average in her or his major to meet graduation requirements.

A total of 120 credits is required for graduation. At least 42 of these must be at the 300 level or above.

## Worksheet: Public Relations Major

*Students are encouraged to meet with the PR Advisor to review the requirements of this Program as changes have been implemented effective 9/1/13.

The Major in Public Relations consists of 6 credits of pre-major courses, 18 credits of required courses and 18 credits of electives (a total of 36 credit hours for the major).

Pre-Maior Courses: Students must have completed (or be in the process of completing) the following courses before applying for acceptance into the major.

COM 202 - Public Speaking (Prerequisite: COM100)
COM 210 - Persuasion (Prerequisite: COM100)

## Required courses

WRT331 - Public Relations Writing (Genres including news releases, media kits, speeches, and letters. Emphasizes professional behavior and polished writing. Prerequisite: Completion of a 200 level Writing course)

PRS 340 -- Public Relations Strategies (Overview of historical significance of Public Relations, explore trends, crisis mgt, ethics)

PRS 441 -- Public Relations Practices (Explore critical elements necessary for a successful campaign. Prerequisite: PRS340)

PRS 491 -- Public Relations Internship (Three or six credit internship. Prerequisite: PRS 340, 441, COM 381 and JOR 341)

COM 381 -- Research Methods (Study impact of qualitative and quantitative analysis critical to research. Prerequisite: COM202, Junior standing)

JOR 341 -- Editing for Publication (Develop editing skills pertinent to media writing. Prerequisite: WRT331 or JOR220)

## Elective courses

Majors must complete six elective courses, with at least one course from each category.

| Writing | Marketing | Communication | Specialty |
| :--- | :--- | :--- | :--- |
| JOR 321 Feature <br> Writing | BUS 365 Principles <br> of Marketing | COM 302 Advanced <br> Public Speaking | COM 415 Ethics of <br> Persuasion |
| WRT 201 Writing <br>  <br> Persuasive Texts | BUS 465 Marketing <br> Communication | COM 351 Oral <br> Communication for <br> Business | JOR 442 Editing II <br> (design) |
| WRT 235 Writing in <br> Electronic Environments | BUS 468 Global <br> Marketing | COM 415 Ethics of <br> Persuasion | JOR 410 Media Issues <br> (Pre-req: JOR 110 \& Senior <br> or permission of instructor) |
| WRT 302 Writing <br> Cultures | ART 204 Digital Art and <br> Design I | COM 450 Organizational <br> Communication | PSY 335 Social Behavior <br> (pre-req: PSY 113 and junior <br> or permission of instructor) |
| WRT 303 Public <br> Writing |  | PRS 200 Introduction to <br> Event Management |  |
| WRT 304 Writing for <br> Community Service |  | PRS 442 Strategic <br> Media Communication |  |
| WRT 333 <br> Scientific/Technical <br> Writing |  | PRS 300 Social <br> Media Strategies for <br> PR Professional |  |

## Public Relations - BA

120 Total Credits Required
36 Major Credits Required

PROPOSED CHANGES: PUBLIC RELATIONS

PROGRAM

Fall 2014 - Spring 2015
This form is for reference only. Students should consult catalog to confirm degree requirements.

Prerequisites to Major:

| Course \# | Semester | \# Credits | Grade |
| :---: | :---: | :---: | :---: |
| COM 202 |  |  |  |
| PRS100 |  |  |  |

Major Required Coursework:

| PRS320 |  |  |  |
| :---: | :--- | :--- | :--- |
| PRS 340 |  |  |  |
| PRS 441 |  |  |  |
| PRS 491 |  |  |  |
| COM 381 |  |  |  |
| JOR 341 |  |  |  |
| WRT 331 |  |  |  |

4 courses ( 12 credits) must be completed from the following with one course from each category:
Category A: JOR 321; WRT 201, 235, 302, 303, 304, 333
Category B: BUS 365, 465, 468
Category C: COM 302, 351, 415, 450
Category D: COM 415; JOR 410, 442; PRS 200, 300, 442; PSY 335

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General Education Requirements:

| Discipline | Course | Semester | Grade |
| :---: | :---: | :---: | :---: |
| Fine Arts: $3 \text { Cr. (A) }$ |  |  |  |
| Literature: <br> 3 Cr. (A) |  |  |  |
| Letters** |  |  |  |
| (L) |  |  |  |
| Natural |  |  |  |
| $\begin{aligned} & \text { Sciences**: } \\ & 6 \text { Cr. (N) } \end{aligned}$ |  |  |  |
|  |  |  |  |
| $6 \text { Cr. (S) }$ |  |  |  |
| Communication: <br> 3 Cr. (EC) |  |  |  |
| Writing: <br> 3 Cr. (ECW) |  |  |  |
| Language/ |  |  |  |
| $6 \text { Cr. (FC) }$ |  |  |  |
| Mathematics: <br> 3 Cr. (MQ) |  |  |  |

* For a list of courses that satisfy General Education requirements consult the Arts \& Sciences (pg. 49) requirements found in the catalog from the term that the student first matriculated at URI.
** Courses must come from different course codes.
*** General Education credits cannot be satisfied by courses from major course code unless student has more than one major.

Based on grade point average, the top 40 applicants will be admitted annually. Students applying for a major in Public Relations must have a 3.00 GPA and a 2.50 GPA or higher in the pre-major courses. Apply in February.

Upper-Level Courses (300+ level) All Course Codes - 42 Credits Total Necessary

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## Elective Credits

Students are encouraged to study at least one other discipline of interest. Double majors and/or minors may be constructed from these elective courses. To complement the major, you may also fulfill $6-15$ of your 300 level elective credits by completing an internship. Contact your advisor and visit
http://www.uri.edu/internships/

| Course \# | Semester | Grade | Credits | Course \# | Semester | Grade | Credits |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
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- If you are exploring this major COM 202 and 210 will provide an introduction to the major.
- Requirements to transfer from University College to the College of Arts $\boldsymbol{\&}$ Sciences: A minimum of 24 earned credits and a cumulative GPA of 2.00 or higher.


## MINORS:

If you plan to complete a minor, speak to your University College advisor as soon as possible. The form may be filed when you transfer to Arts and Sciences or when you reach 60 credits-whichever comes first. Minor forms are available in 257
Chafee or online at: www.uri.edu/artsci/forms/pdf/Minor_Form.pdf

Minors consist of a minimum of 18 credits. Classes in your minor do not have to be complete prior to filing your minor form with the Dean's Office, but you must include all classes required for the minor on the form.

## CREDIT TOTALS:

Elective credits make up the difference between a student's major requirements, general education requirements, minor requirements, and the minimum number of credits required for graduation.

General Education Credits:
Major Credits (for all majors):
Minor Credits (for all minors):
Elective Credits:
Total:
120*
*At least 42 credits must be at the 300/400-level.

APPENDIX G

## MEMO

TO: George Veyera,
Associate Dean of Engineering and Student Affairs

FROM: George Tsiatas,
Chair of Civil and Environmental Engineering

RE: CVE curriculum change

DATE: March 05, 2014

During our February 20 Civil and Environmental faculty meeting it was approved to replace CVE478 by CVE477 in a group of courses from which the students need to select one professional elective for their BS in Civil Engineering degree:

The related info on the catalog is:

Electives. Three of the twelve credits of required professional electives must be selected from the following courses: CVE470, 471, 475, 478

This will be changed to:

Electives. Three of the twelve credits of required professional electives must be selected from the following courses: CVE470, 471, 475, 477

## Justification

CVE students are required to select one out of four environmental courses, namely CVE 470, CVE471, CVE475 and CVE478. We would like to replace CVE478 (Hazardous Waste Disposal and Solid Waste Management) with CVE477 -- Environmental Sustainability and Green Engineering. It is noted that CVE478 is not offered frequently and also there is increased emphasis on sustainability within civil engineering.

## Notice of Change for Nuclear Engineering curriculum course prefix NUE

 Date: 2/20/2014
## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Program: Nuclear Engineering
Department: Mechanical, Industrial, and Systems Engineering
College: Engineering
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: Fall 2010
First degree date: Spring 2011
The Nuclear Engineering Minor was already approved in summer 2010 and has been listed in the catalog since approval.

## 4. Intended location of the program Kingston Campus

## 5. Summary description of proposed program (not to exceed 2 pages).

The nuclear engineering minor was approved for offering starting Fall 2010. The program has been very successful in attracting students has grown to an average of 90 students per year registering for the six nuclear engineering courses offered. An average of 12 students graduate every year with the nuclear engineering minor. The program began by creating new professional elective courses in mechanical engineering and chemical engineering departments. We are requesting the new course prefix to make it more clear to our students as to which courses are offered and appropriate for the nuclear engineering minor.

If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.

Existing Catalog Language:
Nuclear Engineering Minor. The COE offers a minor in nuclear engineering to qualified students who are matriculated in the COE. Students declaring this minor must complete a minimum of 18 credits consisting of four required courses ( 12 credits) and two supporting
courses ( 6 credits). Additional information can be found at egr.uri.edu/nuclear-engineering-minor/.

No changes are proposed to the current catalog language.
6. Signature of the President

David M. Dooley

# Notice of Change for Program on Environmental and Natural Resource Economics Option 2 (Environmental Economics and Management) 

Date: 02/26/2014

## A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Environmental and Natural Resource Economics
College: Environment and Life Sciences
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: 09/03/2014
First degree date:

## 4. Intended location of the program

Kingston campus

## 5. Summary description of proposed program (not to exceed 2 pages).

Drop two basic science courses:

- PHY109/110 (4 credits)
- CHM124/126 (4 credits)

Of the 8 total credits, 6 will be allocated to Supporting Electives and 2 will be allocated to free electives. This results in 20 credits in supporting electives and 8 credits in free electives, so both of our options have 8 credits in free electives.

Rationale: These basic science classes are not prerequisites for other courses in the program, with the exception of one optional NRS course. Dropping these unnecessary requirements provide students with more flexibility in designing a program of study that fits their professional goals, and facilitates students program completion which we hope will contribute to improvements in four-year graduation rates. NRS faculty supports the idea of dropping these courses.

Attached is the existing advising sheet as "Current Curriculum Sheet", and proposed changes are highlighted in the attached document "New Curriculum Sheet".

If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.
6. Signature of the President

David M. Dooley

## Environmental \& Natural Resource Economics (ENRE), 120 CREDITS Department of Environmental \& Natural Resource Economics

College of the Environment \& Life Sciences (CELS)

STUDENT

## General Education (36)

C: COM 100 $\qquad$ (3)

CW: WRT 104,105 or 106 $\qquad$ (3)

M: (3 cr. from Basic Sciences below)
N : ( 6 cr . from Basic Sciences below)
S:
(3) $\qquad$
( 15 credits from $L, A$, and $F$ )
L: $\qquad$ (3) $\qquad$
A:
(3) $\qquad$ (3)

F: $\qquad$ (3) $\qquad$ (3)

Intro. to URI URI 101 $\qquad$ (1)

Intro. Professional Courses (9)
NRS 100 $\qquad$ (3) EEC 105 $\qquad$ (3)

EEC 205 $\qquad$ (3)

Communication (3)
In addition to the General Education requirements. Must be 200 level or above.
WRT $\qquad$ (3)

## Option 1 Green Markets \& Sustainability (GMS)

Concentration (24) (300 Level or above)

| ECN 328 or $323 \quad$ (3) |  |
| :--- | :--- |
| EEC $432 \ldots(3)$ |  |
|  | EEC $310 \_(3)$ |
|  | $(3)$ |

At least 15 credits in EEC; up to 9 in ECN or BUS
Basic and Supporting Sciences* (21-23)


BIO101/103 or 105___(4 or 3)
CHM100 or 101 or 103
Choose from: AFS, AVS $\overline{\mathrm{BCH}}, \mathrm{BIO}, \mathrm{BUS}$ ( $210 \& 212$ only), CHM, CSC, STA, GEO, MTH, MIC, NRS, OCG, PHY, PLS.
( ) $\qquad$ ( ) $\qquad$ ( )
*Six credits apply to Gen Ed Division N and three credits apply to Gen Ed Division M. Credits beyond 21 credits will be counted towards supporting electives.
**MTH 131 is recommended. May substitute with BUS 111.
Supporting Electives (27)
(See attached sheet for list of courses.)
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )
$\qquad$
( )

## Free Electives (8)

( ) $\qquad$ ( ) $\qquad$ ( )

## Option 2. Environmental Economics and Management (EEM)

## Basic Sciences* (37)

CHM 101/102
(4) or $103 / 105$

BIO 101/103
(4) and 102/104

NRS 212
(4) BIO 262

PHY 109/110
(4) GEO 103
(4)

CHM 124/126 ___ (4)
MTH 131
(3) STA 308 $\qquad$ (3)
*Six credits apply to Gen Ed Division N and three credits apply to Gen Ed Division M.

## Concentration (24)

## Environmental Economics (12)

EEC 310 ____ (3) EEC 432
Plus two of the following (6):
EEC 345
(3) EEC 350
(3)
EEC 355
(3) EEC 410
(3)
EEC 440
(3)
EEC 441 $\qquad$ (3)

Core Sciences (12)
Any 4 courses from the following (credits beyond 12 will be counted towards supporting electives):

## Ecology

$\qquad$ (3)
NRS 302
(3)

NRS 304
NRS 305
(3)

NRS 309
NRS 324
(4)

NRS 402
NRS 406 $\qquad$
(3)

NRS 407
Soils and Watershed:

| NRS 351 | (2) | NRS 461 | (4) |
| :---: | :---: | :---: | :---: |
| NRS 412 | (3) | NRS 423,425 | $(4,1)$ |
| NRS 424 | (4) | NRS 426 | (3) |
| NRS 450 | (3) | NRS 452 | (1) |
| NRS 471 | (3) |  |  |

## Geosciences:

| GEO 305_(4) (4) |  |
| :--- | :--- | :--- |
| GEO 482_(4) | GEO 468__(4) |

GEO 482
(4) GEO 483
(4)

GEO 484 (4)

## Supporting Electives (14)

(See attached sheet for list of courses.)
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )
$\qquad$ ( ) $\qquad$ ( )

## Free Electives (6)

$\qquad$ ( ) $\qquad$ ( )

## Environmental \& Natural Resource Economics (ENRE), 120 CREDITS Department of Environmental \& Natural Resource Economics

College of the Environment \& Life Sciences (CELS)

STUDENT

## General Education (36)

C: COM 100 $\qquad$ (3)

CW: WRT 104,105 or 106 $\qquad$ (3)

M: (3 cr. from Basic Sciences below)
N : ( 6 cr . from Basic Sciences below)
S:
(3) $\qquad$
( 15 credits from $L, A$, and $F$ )
L: $\qquad$ (3) $\qquad$
A:
(3)
(3) $\qquad$ (3)

Intro. to URI URI 101 $\qquad$ (1)

Intro. Professional Courses (9)
NRS 100 $\qquad$ (3) EEC 105 $\qquad$ (3)

EEC 205 $\qquad$ (3)

Communication (3)
In addition to the General Education requirements. Must be 200 level or above.
WRT $\qquad$ (3)

## Option 1 Green Markets \& Sustainability (GMS)

Concentration (24) (300 Level or above)

| ECN 328 or 323 | (3) | EEC 310 | (3) |
| :---: | :---: | :---: | :---: |
| EEC 432 | (3) |  | (3) |
|  | (3) |  | (3) |
|  | (3) |  | (3) |

At least 15 credits in EEC; up to 9 in ECN or BUS
Basic and Supporting Sciences* (21-23)


BIO101/103 or 105 ___ (4 or 3)
CHM100 or 101 or 103 $\qquad$ (3)

Choose from: AFS, AVS $\overline{\mathrm{BCH}}, \mathrm{BIO}, \mathrm{BUS}$ ( 210 \& 212 only), CHM, CSC, STA, GEO, MTH, MIC, NRS, OCG, PHY, PLS.
$\qquad$
( ) $\qquad$ ( ) $\qquad$ ( )
*Six credits apply to Gen Ed Division N and three credits apply to Gen Ed Division M. Credits beyond 21 credits will be counted towards supporting electives.
**MTH 131 is recommended. May substitute with BUS 111.
Supporting Electives (27)
(See attached sheet for list of courses.)
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )
$\qquad$ ( )

## Free Electives (8)

( ) $\qquad$ ( ) $\qquad$ ( )

## Option 2. Environmental Economics and Management (EEM)

## Basic Sciences* (29)

CHM 101/102
(4) or $103 / 105$

BIO 101/103
(4) and $102 / 104$

NRS 212
(4) BIO 262 $\qquad$
GEO 103 (4)

MTH 131 $\qquad$ (3) STA 308
*Six credits apply to Gen Ed Division N and three credits apply to Gen Ed Division M.

## Concentration (24)

EEC
EEC 310 ___ (3) EEC 432 $\qquad$
(3)
Plus two of the following (6):

| EEC 345 | (3) | EEC 350 | (3) |
| :---: | :---: | :---: | :---: |
| EEC 355 | (3) | EEC 410 | (3) |
| EEC 440 | (3) | EEC 441 | (3) |

## Core Sciences (12)

Any 4 courses from the following (credits beyond 12 will be counted towards supporting electives):

## Geosciences:

| Ecology |  |  |  |
| :---: | :---: | :---: | :---: |
| NRS 301 | (3) | NRS 302 | (3) |
| NRS 304 | (3) | NRS 305 | (3) |
| NRS 309 | (3) | NRS 324 | (4) |
| NRS 402 | (3) | NRS 406 | (3) |
| NRS 407 | (3) |  |  |
| Soils and Watershed: |  |  |  |
| NRS 351 | (2) | NRS 461 | (4) |
| NRS 412 | (3) | NRS 423,425 | $(4,1)$ |
| NRS 424 | (4) | NRS 426 | (3) |
| NRS 450 | (3) | NRS 452 | (1) |
| NRS 471 | (3) |  |  |
| Geosciences: |  |  |  |
| GEO 305 | (4) | GEO 468 | (4) |
| GEO 482 | (4) | GEO 483 | (4) |
| GEO 484 | (4) |  |  |

Supporting Electives (20)
(See attached sheet for list of courses.)


Free Electives (8)
$\qquad$ ( ) $\qquad$ ( )
$\qquad$ ( ) $\qquad$ ( )

Notice of Change: Requirements to pass out of University College into the Geology \& Geological Oceanography B.S. degree program
Date: February 27, 2014

## A. PROGRAM INFORMATION

## 1. Name of institution

University of Rhode Island
2. Name of department, division, school or college

Department: Geosciences
College: CELS
3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: Fall, 2014
First degree date: Spring, 2017

## 4. Intended location of the program <br> URI Main Campus

5. Summary description of proposed program (not to exceed 2 pages). Problem: Currently, the rules for leaving University College stipulate only a 2.0 average after 24 credits. Our experience suggests that this is not be sufficient to ensure a reasonable probability of success in the major; leading to repeated courses and longer graduation times.

Solution: We propose instead:
A student may leave University College for the B.S. degree in Geology \& Geological Oceanograph if the following conditions have been met. (S)he has:

- Completed total of 30 cr . with a grade point average of 2.0 or greater;
- Achieved minimum of a B-- in GEO 103;
- Achieved minimum of a C in CHM 101; and
- Achieved minimum of a C+ in MTH 111 or a C in MTH 131.

Justification: The increase to 30 credits gives the student a bit more class experience, but is easily achievable by the end of the first year (especially following our "Academic Map," prepared in conjunction with University College). The courses and grades stipulated have proven to be good predictors of preparedness for the rigors of the major.

## If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.

We propose that a new paragraph be added to the Geology \& Geological Oceanography major description (http://web.uri.edu/catalog/geology-and-geological-oceanography/) in the catalog.

Located after the existing one--sentence paragraph that states, "A total of 120 credits and a 2.00 grade point average within the major are required for graduation," we propose the addition of the following paragraph:

To transfer from University College to the College of the Environment and Life Sciences as a Geology \& Geological Oceanography major (or be coded as such in the College of the Environment and Life Sciences), a student must have earned at least a 2.0 grade point average in a minimum of 30 total credits, as well as a minimum of a B- in GEO 103; a minimum of a C in CHM 101, and a minimum of a C+ in MTH 111 or a C in MTH 131.

## 6. Signature of the President

David M. Dooley

## B.S., GEOLOGY \& GEOLOGICAL OCEANOGRAPHY, 120 CREDITS EFFECTIVE FALL 2014

College of the Environment \& Life Sciences (CELS)
Department of Geosciences
Advisor: $\qquad$
STUDENT $\qquad$ ID \#

## General Education (36 credits)

Total A,L,F must equal 15 credits (may omit one A,L or F course)
A: $\quad$ (3)
L:
$\mathrm{FC}[\mathrm{D}]:=$
A,L,F Total $\qquad$

ECw:WRT 104, 105, 106, or 333
ECW: WRT 104, 105, 106, or 333
EC[D] COM 100 or COM 110

S: (3) 3 credits from below
N: 6 cr. from below; MQ: 3 credits from below
URI 101: $\qquad$ (1)

## Introductory Professional Courses <br> ( 10 credits; -3 applicable to Gen Ed)

GEO 103 $\qquad$ (4)*

NRS 100
(3)

EEC 105 (3)
*NOTE: Students may elect GEO 120 with the introductory lab in lieu of GEO 103.

Core Geosciences Courses ( 20 credits)
Fall
Spring
GEO 204
GEO 370 (4)

Supporting Electives (12 credits).
200-level or above courses chosen from GEO, EEC, NRS, or OCG.


Supporting Sciences ( 33 credits; -9 credits applicable to Gen. Ed.)
BIO 101 (4)

BIO 102 or GEO/BIO 272 or CHM 124/126 ___ (4)

| CHM 101,102 | (4) |
| :--- | :--- |
| CHM 112,114 |  |

CHM 112,114
PHY 111,185
 (4)

PHY 112,186

|  | or | PHY 204, 274 | (4) |
| :---: | :---: | :---: | :---: |
| MTH 131 | (3) | or MTH 141 | (4) |
| MTH 132 | (3) | or MTH 142 | (4) |
| STA 308 | (3) | or STA 409 | (3) |

Students must complete 1 of the following options.
General Geology Option (10-12 cr.)
GEO 483 $\qquad$
GEO elective $\qquad$ ( )
GEO elective $\qquad$ (
Electives must be 200-level or above
Geol. Oceanography Option (12 cr.)
OCG 451 $\qquad$ (3) or OCG 301/401 $\qquad$ (3)

OCG 440/540 _ _ (4)
GEO/OCG Elective
OCG 493 or 494
(3)

## Free electives (8-10 credits)

Select free electives to complete a total of 120 credits required for graduation.


NOTE: Students' GPA for the major is computed based on all Intro Prof Courses, Core GEO, Supporting electives, and option courses; minimum GPA in major is 2.0 . Students may combine supporting and free electives to pursue a minor field of study.

## SUGGESTED SEQUENCE OF COURSES:

Freshman, Fall (15)
GEO 103
CHM 101, 102
NRS 100
Gen ed (EC)
URI 101
Sophomore, Fall (14)
GEO 204
PHY 111, 185
or 203, 273
MTH 131 or 141
EEC 105 (S)/Gen Ed

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Freshman, Spring (14)
GEO 210
CHM 112, }11
Gen ed (EC)
MTH 111, if needed,
    or Gen Ed/EEC 105 (S)
Sophomore, Spring (17)
GEO }32
PHY 112, }18
    or 204,274
MTH 132 or 142
Gen. Ed. Elective
Gen. Ed. Elective
```

| Junior, Fall (14-15) |  |
| :--- | :--- |
| GEO 370 | GEO 450 |
| GEO elect. | Option course/supp. elective |
| BIO 101 | BIO 102 |
| Gen. Ed. Elective | STA 308 |
|  |  |
| Senior, Fall (15-16) | Senior, Spring (15-16) |
| GEO 483 or elective | Option course/elective |
| Option course/elective <br> Supporting/Free elective | Option course/elective <br> Supporting/Free elective <br> Free elective <br> Gen. Ed. Elective |
|  | Free elective/Gen Ed Elective <br> Gen. Ed Elective |
|  |  |

Notice of Change for B.S. in Wildlife and Conservation Biology
Date: 26 Feb 2014

## A. PROGRAM INFORMATION

## 1. Name of institution <br> University of Rhode Island

2. Name of department, division, school, or college

Department: Natural Resources Science
College: Environment and Life Sciences
3. Intended initiation date of program change. Include anticipated data for granting first degree or certificates, if appropriate.
Initiation date: September 2014
First degree date:
4. Intended location of the program:

Kingston campus (no change)
5. Summary description of the proposed program (not to exceed 2 pages)

We propose the following changes to the B.S. Wildlife and Conservation Biology Program:

1. Delete GEO 103 (Understanding the Earth) as a major requiirement
2. Move BIO 262 (Introductory Ecology) to the Professional Course category
3. Add the following admission requirements to the degree:
a. BIO 101, 102, 103, 104 with grades of C or better
b. $\mathbb{N} R 100$ with a grade of C or better.

If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request. Changes are in red, see below.

Wildlife and Conservation Biology. The major requires 19 credits of professional courses, which include natural resource conservation, seminar in natural resources, introductory ecology, resource economics, introductory soil science, and conservation biology. As part of the basic science requirements ( $22-23$ credits), wildllife majors must complete eight credits in introductory biological sciences; four credits in introductory chemistry; four credits in organic chemistrey; three credits in introductory calcullus; and three credits in introductory statistics. Required concentration courses $23-25$ credits) include three credits in the principles of wildllife ecology and management; three credits in willdlife field techniques; four credits in field botany and taxonomy; four credits in wetland wildllife or nongame and endangered species management; and 9-1l credits from an approved list of concentration courses that may include, for example, field ornithology, mammalogy, vertebrate biology, herpetology, animal behavior, and wildlife biometrics. Supporting electives ( $24-26$ credits) must be selected from the approved list. We encourage students to complete course work so they can become a certified wildlife biologist, which includes the following upper-division course work in their supporting electives: at least one credit in botany; six credits in zoology; six credits in resources policy or administration, environmental law, or land use plamning; and six credits in communications. Additional supporting electives must be selected from concentration electives, or from other 300 or 400 -level natural resources science courses. Up to 12 credits of experiential learning courses may be taken toward satisfyying concentration (letter grade courses only) and supporting elective requirements (letter or $\mathbb{S} / \mathbb{U}$ courses). Concentration and supporting elective courses must total at least 49 credits. At least 12 crediits of natural resources science courses must be completed in concentration and at least six more in supporting electives. A total of 120 credits is required for graduation.

In order to transfer from University College to the College of the Environment and Life Sciences as a Wildllife and Conservation Biology major (or be codled as such in the College of the Environment and Life Sciences), a student must have earned a minimum of 30 credits with a 2.0 GPA or better including BIO 101, 103, 102, 104 with grades of C or better, $\mathbb{N R S} 100$ with a grade of C or better.

## 6. Signature of the President

David M. Dooley

General Education (36 credits) EC[D]: COM $100 \_$(3) or COM 110 $\qquad$
ECw: WRT 104, 105 or 106 $\qquad$ (3)

MQ: ( 3 cr . from Basic Sciences below)
N: ( 6 cr . from Basic Sciences below)
S: ( 3 cr . From EEC 105 below)
L:
(3)
(3)
A: (3)
$(3)$
$(3)$
(3)
FC:
(3)
(Note: 15 cr. from L, A and FC)
Intro. to URI and NRS (2 credits)
URI 101 $\qquad$ (1) NRS 101 $\qquad$ (1)

Intro. Professional Courses (17 credits)

| NRS 100_(3) | NRS 212__ (3) |
| :--- | :--- | :--- |
| NRS 200___(1) | EEC 105__(3) |
| NRS 223____(4) |  |

Basic Sciences ( 25 credits; 9 applicable to General Education requirements)*
BIO 101__(4)
BIO 102__(4)
BIO 262 _(3)
CHM 103, 105
CHM 124, 126
MTH 131
(3)

STA 308___(3) or STA 409
*Six credits apply to Division N and three credits apply to Division MQ above.**PHY 111,185 and PHY 112,186 needed for those interested in a career in Secondary Education

Concentration (22-23 credits; must include at least 12 credits from NRS).

| NRS 305_(3) | (3) $\operatorname{NRS} 309$ |
| :--- | :--- |
| NRS 406 |  |
| BIO 323 | (4) |

Other Concentration Courses (9-10 credits from an approved list available from NRS Dept):
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )
$\qquad$ () $\qquad$ ( ) $\qquad$ ( )

Note: If you are seeking certification by The Wildlife Society, you must complete the 9-10 credits of other Concentration courses in the following two categories:
Vertebrate Biology (6 credits):
NRS 304
(3) and/or NRS 324 (3)
BIO 366
(3) BIO 467 (3)

Must take either NRS 304 or NRS 324 if seeking certification.

Biometrics or other Quantitative Sciences (3-4 credits):
NRS 402, 403__(4) or computer science (200-level or above), calculus (beyond MTH 131), or other approved quantitative science courses (.e.g,, NRS 516, 522, 533)

Supporting Electives (29-30 credits; at least 6 credits must be NRS courses). Courses may be selected from the Concentration categories or from an approved list (see back). Up to 12 credits of Letter Grade or S/U Experiential Learning Courses may be taken as Supporting Electives. Senior Colloquium (NRS 480, 2 cr.) is strongly recommended.


Other Supporting Electives (8-9 credits):
( )
$\qquad$
( )
( )

Free Electives (6 credits)
$\qquad$
Note: Concentration and Supporting Electives must total at least 49 credits. Credits for graduation must total at least $\mathbf{1 2 0}$.

## WILDLIFE \& CONSERVATION BIOLOGY

## APPROVED SUPPORTING ELECTIVE COURSES

A total of 26-27 credits may be taken from the following categories. At least 6 credits must be NRS courses. The requirements in various categories are based on certification guidelines established by The Wildlife Society. These approved courses may change with availability. Other courses may be taken with approval of your advisor.

| Botany (3 credits) |  |
| :--- | :--- |
| NRS 301 | Forest Science |
| NRS 423 | Wetland Ecology |
| NRS 445 | Invasive Species |
| BIO 311 | Plant Structure \& Development |
| BIO 321 | Plant Diversity |
| BIO 346 | Plant Physiology |
| BIO 352 | Genetics |
| BIO 418 | Ecology of Marine Plants |
| BIO 432 | Mycology: Intro. to the Fungi |
| BIO 454 | Genetics Laboratory |
| BIO 465 | Biology of Algae |
| BIO 524 | Methods in Plant Ecology |

Zoology (6 credits)
AFS 352 General Genetics (= PLS 352)
AFS 355 Genetics Lab (= PLS 355)
NRS 532 Conservation Biology
NRS 534 Ecol. Fragmented Landscapes
NRS 538 Physiological Ecology
BIO 201 General Animal Physiology
BIO 203 Intro. Evolutionary Genetics
BIO 205 Animal Diversity
BIO 206 Pop. and Community Dynamics
BIO 286 Humans, Insects, and Disease
BIO 302 Animal Development
BIO 304 Comparative Vertebrate Anatomy
BIO 331 Parasitology
BIO 345 Marine Env. Physiology
BIO 350 Evolution
Evolution
BIO 355 Marine Invert. of Southern N.E.
BIO 366 Vertebrate Biology
BIO 385 Introductory Entomology
BIO 386 Introductory Entomology Lab
BIO 437 Fundamentals of Molecular Biol.
BIO 441 Envir. Physiology of Animals
BIO 455 Marine Ecology
BIO 457 Marine Ecology Lab
BIO 458 Freshwater Ecology
BIO 467 Animal Behavior
Resource Policy, Administration, Environmental Law, Law Enforcement or
Land Use Planning (6 credits)
CPL 434 Intro. to Environmental Law
MAF 100 Human Use Marine Environment
MAF 120 New England \& The Sea
MAF 220 Intro. Marine \& Coastal Law
MAF 312 Politics of the Ocean

MAF 456 Polar Resources \& Policy 3
MAF 461 Coastal Zone Management 3
MAF 471 Island Ecosystem Management 3
MAF 484 Env. Anal. \& Policy Coastal Mgt. 3
NRS 361 Watershed hydrology and Mgt. 4
NRS 401 Foundations in Restoration Ecology 3
NRS 411 Population \& Environmental Change 3
NRS 414 Climate Change Science \& Policy 3
NRS 424 Wetlands \& Land Use 4
NRS 450 Soil Conservation \& Land Use 3
Communications ( 6 credits- in addition to General
Education requirements)
JOR 110 Introduction to Mass Media 3
JOR 220 Media Writing 3
JOR 230 Intro. Radio \& TV News 3
JOR 340 Public Relations 3
COM 202 Public Speaking 3
COM 210 Persuasion: The Rhetoric of Influ. 3
COM 251 Small Group Communication 3
COM 302 Advanced Public Speaking 3
COM 310 Contemp. Oral Communication 3
WRT 201 Argument. \& Persuasive Texts 3
WRT 235 Writing in Electronic Env. 3
WRT 333 Scientific \& Technical Writing 3
WRT 533 Grad. Writing in Life Sciences 3

## Other Supporting Electives:

Courses may be selected from any of the above categories, from Concentration electives, or from other 300 - or 400-level NRS courses

## Experiential Learning Courses

Up to 15 credits of Experiential Learning Courses may be taken. A maximum of 10 credits of Letter Grade courses may be taken for Concentration credit; up to 12 credits of Letter Grade courses (in italics below) or S/U courses may be used as Supporting Electives.

NRS 395 Research Apprenticeship (1-3 credits/ea.)
NRS 397 Internship (1-6 credits)
NRS 491/492 Special Projects (1-3 credits/ea.)
NRS 495 Advanced Apprenticeship
NRS 497 Cooperative Internship (6-12 credits)
NRS 498 Teaching Practicum (1-3 credits)
NRS 499 Senior Thesis (6 credits)

Wildlife \& CONSERVATION BIOLOGY, 120 CREDITS
College of the Environment \& Life Sciences (CELS)
Department of Natural Resources Science

## STUDENT

$\qquad$ STUDENT ID $\qquad$ ADVISER

General Education (36 credits) EC[D]: COM 100 $\qquad$ (3)

ECw: WRT 104, 105 or 106 $\qquad$ (3)

MQ: (3 cr. from Basic Sciences below)
N: ( 6 cr . from Basic Sciences below)

| $\underline{\mathrm{S}}$ | (3) (3 cr. from Intro. Prof. below) |  |
| :---: | :---: | :---: |
| L: | (3) | (3) |
| A: | (3) | (3) |
| FC: | (3) | (3) |

(Note: 15 cr. from L, A and FC)
Intro. to URI and NRS (2 credits)
URI 101 $\qquad$ (1) NRS 101 $\qquad$ (1)

Intro. Professional Courses (19 credits)

| NRS 100 | (3) | NRS 212 | (4) |
| :---: | :---: | :---: | :---: |
| NRS 200 | (1) | EEC 105 | (3) |
| NRS 223 | (4) | BIO 262 | (4) |

Basic Sciences (22-23 credits; 9 applicable to General Education requirements)*

| BIO 101 | (3) and BIO 103 | (1) |
| :---: | :---: | :---: |
| BIO 102 | (3) and BIO 104 | (1) |
| CHM 103 | (3) and CHM 105 | (1) |
| CHM 124 | (3) and CHM 126 |  |
| MTH 13 | (3) |  |

MTH 131 (3)

STA 308
(3) or STA 409
*Six credits apply to Division N and three credits apply to Division MQ above.

Concentration (23-25 credits; must include at least 12 credits from NRS).

| NRS 305 | (3) | NRS $309 \_$(4) or |
| :--- | :--- | :--- |
| NRS 406 | (3) |  |
| BIO 323 | (4) |  |

NRS 406
(4) or NRS 407
(4)

BIO 323
(4)

Note: If seeking certification by The Wildlife Society, you must complete 9-11 credits of other Concentration courses in these two categories: Vertebrate Biology (6-8 credits):
NRS 304
(3) BIO 366 (3)
NRS 324
(4) NRS 417

Note: Must take NRS 304, NRS 324, and/or NRS 417 if seeking certification.

Biometrics/other Quantitative Science (3):
NRS 402 $\qquad$ (3) or computer science (200level or above), or calculus (beyond MTH 131), or other approved quantitative science courses (e.g., NRS 516, 522, 533)

Other Concentration Courses (9-11 credits):
$\qquad$
( ) ( )

Supporting Electives ( $24-26$ credits; at least 6 credits must be NRS courses). Courses may be selected from the Concentration categories or from an approved list (see back). Up to 12 credits of Letter Grade or S/U Experiential Learning Courses may be taken as Supporting Electives. Senior Colloquium (NRS 480, 2 cr .) is strongly recommended.
Note: if you are seeking certification by The Wildlife Society, categories below must be completed (see back).

Botany (1+):


Other Supporting Elective Courses:
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )
$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )

## Free Electives (6 credits)

$\qquad$ ( ) $\qquad$ ( ) $\qquad$ ( )

## Experiential Learning Courses

Up to 15 credits of Experiential Learning Courses may be taken. A maximum of 10 credits of Letter Grade courses (in italics below) may be taken for Concentration credit; up to 12 credits of Letter Grade courses or S/U courses may be used as Supporting Electives.

NRS 395 Research Apprenticeship (1-3 credits)
NRS 397 Internship (1-6 credits)
NRS 491/492 Special Projects (1-3 credits)
NRS 495 Advanced Apprenticeship (3 credits) NRS $497 \quad$ Cooperative Internship (6 or 12 credits)
NRS 498 Teaching Practicum (1-3 credits)
NRS 499 Senior Thesis (6 credits)

Note: Concentration and Supporting Electives must total at least 49 credits and total credits at least 120; see next page for transfer requirements from UC

Note: In order to transfer from University College to the College of the Environment and Life Sciences as a Wildlife and Conservation Biology major (or be coded as such in the College of the Environment and Life Sciences), a student must have earned a minimum of 30 credits with a 2.0 GPA or better including BIO 101, $102,103,104$ with grades of C or better; and NRS 100 with a grade of C or better.

## WILDLIFE \& CONSERVATION BIOLOGY

## APPROVED SUPPORTING ELECTIVE COURSES

A total of 27-29 credits may be taken from the following categories. At least 6 credits must be NRS courses. The requirements in various categories are based on certification guidelines established by The Wildlife Society. These approved courses may change with availability. Other courses may be taken with approval of your adviser.

Botany (1+ credits)

NRS 301 Forest Science
NRS 423 Wetland Ecology
NRS 445 Invasive Species
BIO 311 Plant Structure \& Development
BIO 321 Plant Diversity
BIO 332 Plant Pathology: Intro. Plant Dis.
BIO 346 Plant Physiogy
BIO 346 Plant Physiology
BIO 352 General Genetics
BIO 353 General Genetics Laboratory
BIO 365 Biology of Algae
BIO 418 Ecology of Marine Plants
Zoology (6 credits)
AFS486 Fish Physiology
NRS 304 Field Ornithology
NRS 324 Mammalogy
NRS 417 Herpetology
NRS 505 Bio. \& Mgt. of Migratory Birds
NRS 534 Ecol. Fragmented Landscapes
NRS 538 Physiological Ecology
NRS 563 Biology and Ecology of Fishes
BIO 201 General Animal Physiology
BIO 272 Introduction to Evolution
BIO 286 Humans, Insects, and Disease
BIO 302 Animal Development
BIO 341 Principles of Cell Biology
BIO 345 Marine Env. Physiology
Mare Environmental Physiology
BIO 352 Genetics
BIO 353 General Genetics Laboratory
BIO 354 Invertebrate Zoology
BIO 360 Marine Biology
BIO 366 Vertebrate Biology
BIO 385 Introductory Entomology
BIO 404 Compar. Vertebrate Anatomy
BIO 412 Evolution and Diversity of Fishes
BIO 437 Fundamentals of Molecular Biol.
BIO 455 Marine Ecology
BIO 457 Marine Ecology Lab
BIO 467 Animal Behavior
BIO 469 Tropical Marine Invertebrates
BIO 475 Coral Reef Ecology

BIO 480 Community Ecology

Resource Policy, Administration,
Environmental Law, Law Enforcement or Land
Use Planning (6 credits)

CPL 410 Fundamentals of Comm. Planning 3

CPL 434 Intro. to Environmental Law 3

CPL 485 Environmental Planning 3

MAF 100 Human Use Marine Environment 3

MAF 120 New England \& The Sea 3

MAF 220 Intro. Marine \& Coastal Law 3

MAF 312 Politics of the Ocean 3

MAF 415 Marine Pollution Policy 3

MAF 461 Coastal Zone Management 3

MAF 484 Env. Anal. \& Policy Coastal Mgt. 3

NRS 461 Watershed Hydrology and Mgt. 4

NRS 401 Found. in Restoration Ecology 4

NRS 450 Soil Conservation \& Land Use 3

NRS 452 Soil, Water, \& Land Use Invest. 1

NRS 545 Invasive Species Res., Mgt. \& Policy 4

Communications ( 6 credits- in addition to General Education requirements)
JOR 110 Introduction to Mass Media 3
JOR 220 Media Writing 3
JOR 221 Multimedia Writing 3
JOR 313 Alternative News Media in the U.S. 3
JOR 320 Public Affairs Reporting \& Writing 3
JOR 321 Magazine Article \& Feature Writing 3
JOR 340 Public Relations 3
JOR 341 Editing for Publication 3
COM 202 Public Speaking 3
COM 210 Persuasion: The Rhetoric of Influ. 3
COM 221 Interpersonal Communication 3
COM 251 Small Group Communication 3
COM 302 Advanced Public Speaking 3
COM 310 Contemp. Oral Communication 3
COM 322 Gender and Communication 3
COM 340 Electronic Media Programming 3
COM 351 Organizational Comm. Skills 3
COM 361 Intercultural Communication 3
COM 372 Dynamic Web Design \& Program. 4
COM 455 Sci. \& Comm. in a Century of Limits 3
COM 462 Communication and Global Society 3

WRT 201 Argument. \& Persuasive Texts 3
WRT 235 Writing in Electronic Env. 4
WRT 303 Public Writing 4
WRT 304 Writing for Community Service 4
WRT 305 Travel Writing 4
WRT 331 Writing Public Relations 3
WRT 333 Scientific \& Technical Writing 3

## Other Supporting Electives:

Courses may be selected from any of the above categories, from Concentration electives, or from other 300- or 400-level NRS courses.

## APPENDIX L

Six-year Entry Level Pharm.D. Curriculum Requirements. A total of 202 credits is required for graduation. Proficiency in American Red Cross standard first aid, community CPR, and physical assessment (PHP 900) is also expected of each student prior to advanced practice rotation.

Experiential Rotations. Introductory and advanced pharmacy practice experiential rotations may be scheduled at a distance from the Kingston campus. These rotations contribute importantly to the depth and breadth of the experiential program. While the college makes every effort to accommodate student requests regarding rotations, students should anticipate having some rotations assigned at a distance. For these rotations, students are responsible for their costs of transportation, intern licenses and housing if needed.

Criminal Background Checks. Certain hospitals, clinical facilities, and other professional sites that participate in both the introductory pharmacy practice experiences (IPPE) and advanced pharmacy practice experiences (APPE) require-All students must to-undergo a criminal background check yearlyannually during the professional (P1 to P 4 ) years of the program. The criminal background check must be completed prior to the fall semester of each professional year and before any Introductory Pharmacy Practice Experience (IPPE) is initiated. Many hospitals, clinical facilities, and other professional sites that participate in both the IPPE and advanced pharmacy practice experience (APPE) programs require certification that student's have a clear criminal record (or a criminal record which, due to the timing or nature of the criminal behavior, or the relevant circumstances, does not, in the judgment of the site preclude the student's participation in the practicum experience at their site) -prior to initiating pharmacy practice experiences. Students with criminal records may be denied positions at these sites._ A Students with criminal records, therefore, should be aware that their criminal record may preclude their participation in clinical experiences at some sites, and as a s a result, their progression to meet the degree requirements may be impeded.

Drug Testing. Many hospitals, clinical facilities, and other professional sites that participate in both the introductory practice experiences (IPPE) and advanced practice experiences (APPE) require students to undergo a drug test. Students who test positive for an illegal drug will be denied positions at these sites. As a result, their progression to meet the degree requirements will be impeded.

Intern License Requirement.-Registration as an intern pharmacist is a requirement of the program; therefore aAll students in the professional Pharm.D. program must hold a valid Rhode Island intern license when they enter the fall semester of their first professional year and before any Introductory Pharmacy Practice Experience (IPPE) is initiated. The Rhode Island intern license must be and-maintained itthroughout the professional program (P1 to P4 years). Students completing IPPE or APPE experiences in other states must -bbtain an obtain an intern license through the board of pharmacy of the state(s) in-_which they have their those introductory and advanced pharmacy
practice experiences. Intern licensure in Massachusetts is recommended for all students, but not required. Registration as an intern pharmacist is a requirement of the program; students must apply for a license prior to the fall semester of their first professional year.

Students must hold a valid intern license when they enter the fall semester of their first professional year and maintain it throughout the professional program. For experiential eoursework, students must have a Rhode Island license and Massachusetts one as well.

To be eligible for an intern license, students must be currently enrolled in a pharmacy program. Intern licenses must be returned to the board if a student withdraws or takes a leave of absence from the college.

Applications for a-an intern license also normally license require the applicant to s disclostre, and provide an explanation of, of any criminal conviction (or any plea or other form of admission or acceptance of responsibility for criminal conduct, including driving under the influence), as well as any state disciplinary action involving or affecting the applicant's license to practice, any other pending state charges or investigations relating to the applicant, and any adverse proceeding or action relating to the applicant's membership in a professional society. sof under federalor, state, or local statutes laws (including driving under the influence).


[^0]:    David M. Dooley

[^1]:    David M. Dooley

[^2]:    *At least 42 credits must be at the $300 / 400$-level.

[^3]:    **** Please note: Student cannot graduate unless major and cumulative GPA exceed 2.0 ****

[^4]:    **** Please note: Student cannot graduate unless major and cumulative GPA exceed 2.0****

[^5]:    **** Please note: Student cannot graduate unless major and cumulative GPA exceed 2.0 ****

[^6]:    ${ }^{1}$ Securing Cyberspace for the 44th Presidency - A Report of the CSIS Commission on Cybersecurity for the 44th Presidency, Cochairs: Representative James R. Langevin, Representative Michael T. McCaul, Scott Charney Lt. General Harry Raduege, USAF (Ret), Project Director: James A. Lewis, Center for Strategic and International Studies, Washington, DC, December 2008.
    ${ }^{2}$ Cybersecurity Two Years Later - A Report of the CSIS Commission on Cybersecurity for the 44th Presidency, Cochairs: Representative James R. Langevin, Representative Michael T. McCaul, Scott Charney Lt. General Harry Raduege, USAF (Ret), Project Director: James A. Lewis, Center for Strategic and International Studies Washington, DC, Januay 2011.

