3-22-2018

The Five Hundred and Forty-seventh Report of the Curricular Affairs Committee: Curricular Proposals

University of Rhode Island Faculty Senate

THE
UNIVERSITY
OF RHODE ISLAND
FACULTY SENATE OFFICE
Green Hall, 35 Campus Avenue, Kingston, RI 02881 USA p: 401.874.2616

THINK BIG WE DO

Serial Number #17-18-32B

TO: President David Dooley
FROM: Mark Conley, Chairperson of the Faculty Senate

1. The attached BILL titled, the Five Hundred and Forty-seventh Report of the Curricular Affairs Committee: Curricular Proposals, is forwarded for your consideration.

2. This BILL was adopted by vote of the Faculty Senate on March 22, 2018.

3. After considering this bill, will you please indicate your approval or disapproval. Return the original, completing the appropriate endorsement below.

4. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective April 12, 2018 three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; or (3) the University Faculty petitions for a referendum.

Mark Conley
Chairperson of the Faculty Senate

March 22, 2018

ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

a. Approved ✓.

b. Approved subject to Notice of the Council on Postsecondary Education ____.

c. Disapproved ____.

Signature of the President

3.30.18
(date)

THE
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OF RHODE ISLAND
FACULTY SENATE OFFICE

THINK BIG WE DO

UNIVERSITY OF RHODE ISLAND FACULTY SENATE
March 22, 2018

Faculty Senate Curricular Affairs Committee
Five Hundred and Forty-seventh Report

At the February 26, 2018 meeting of the Curricular Affairs Committee and by electronic communication, the following matters were considered and are now presented to the Faculty Senate.

SECTION II
Curricular Matters Which Require Confirmation by the Faculty Senate

PROGRAM PROPOSALS

COLLEGE OF ARTS AND SCIENCES:

BA in Computer Science: (see Appendix B)

We are proposing two minor changes to the requirements for a BA in Computer Science:

1) We propose to change the math courses required for a BA in Computer Science. Specifically, the new requirements will be as follows:

MTH 180 and one more course from MTH 131, 141, 215; STA 307, 308, 409.

2) We propose to change the list of courses from which a student can choose CSC electives. Specifically, the new list will be:

"one programming course from the following: CSC 402, 406, 415, 436, 450, 462, 481, 493; one additional CSC or CSF course at the 300-level or above, except that CSC 392, 491 may be used only with prior departmental approval. CSC 494 and 499 may not be used."

BS in Computer Science: (see Appendix C)

We are proposing two minor changes to the requirements for the BS in Computer Science:

1) We propose to change the math courses required for a BS in Computer Science. Specifically, the new requirements will be as follows:

MTH 180, MTH 141, MTH 142 and one more course from MTH 215, 243, 244, 362, 382, STA 307, 308, 409, 411, 412

2) We propose to change the list of courses from which a student can choose CSC electives. Specifically, the new list will be:

"one course from CSC 402, 406, 415, 436, 450, 462, 481 and 493 (4); any 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 may be used only with prior departmental approval. CSC 494 and 499 may not be used."

COLLEGE OF ENVIRONMENT AND LIFE SCIENCES:

Fisheries, Animal and Veterinary Science Department:

Bachelor of Science in Aquaculture and Fishery Technology (see Appendix D)

- Change the name of the major from Aquaculture and Fishery Technology to Aquaculture and Fisheries Science BS.
- Change the degree name from Aquaculture and Fishery Technology to Aquaculture and Fisheries Science BS.

Rationale: Our program provides students with a strong foundation in the basic sciences and the specialized knowledge and skills needed to succeed in both professional and academic careers in Aquaculture and Fisheries. The change in name to Aquaculture and Fisheries Science is consistent with the rigor and strong focus of the program on basic sciences. It is also a better reflection of the vision and mission of the Department of Fisheries, Animal and Veterinary Science and our faculty, which have a strong focus on research in the areas of Aquaculture and Fisheries Science.

COLLEGE OF HEALTH STUDIES:

Human Development and Family Studies – Early Childhood Education and Teacher Certification Program (TCP): (see Appendix E)

HDF 208 has been approved as the replacement of HDF 357 and NFS 207/210 (and as Gen Ed) currently required for the early childhood teacher certification program, this changes should be included in the curriculum worksheets for both the TCP and the regular ECE.

COLLEGE OF PHARMACY:

Changes to Pharm.D. Progression Requirements to the Professional Program: (see Appendix F)

The changes we are requesting to the published requirements for progression from sophomore to P1 standing address negative changes in the quality metrics the college is required to report to ACPE and to clarify currently existing language to eliminate any potential for confusion.

- Increase required science GPA from 2.5 to 2.7
- Require overall GPA of 3.0
- Improve language describing required interview.

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Appendix B

Revised 8/2016

Notice of Change form

Notice of Change for: BA in Computer Science

Date: 8/1/17

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 2018
   First degree date:

4. **Intended location of the program**

   Kingston

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

   We are proposing two minor changes to the requirements for a BA in Computer Science:

   1) We propose to change the math courses required for a BA in Computer Science. Specifically, the new requirements will be as follows:

      MTH 180 and one more course from MTH 131, 141, 215; STA 307, 308, 409.

   2) We propose to change the list of courses from which a student can choose CSC electives. Specifically, the new list will be:

      "one programming course from the following: CSC 402, 406, 415, 436, 450, 462, 481, 493; one additional CSC or CSF course at the 300-level or above, except that CSC 392, 491 may be used only with prior departmental approval. CSC 494 and 499 may not be used. "

6. If applicable, please include the existing URI catalog language and proposed catalog changes indicated in Track Changes.

See below updates to catalog language below:

BACHELOR OF ARTS

The B.A. curriculum is designed to provide a solid foundation in the fundamentals of computer science.

In order to transfer from University College for Academic Success 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 110 and 211 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.

Students in the B.A. curriculum must complete a minimum of 36 credits (maximum 51) as follows: CSC 106 (4), 110 (4), 211 (4), 212 (4), 301 (4), 305 (4); one of 411 or 412 (4); one programming course from the following: CSC 402, 406, 415, 436, 450, 462, 481, 493; one additional CSC or CSF course at the 300-level or above, except that CSC 392, 491 may be used only with prior departmental approval. CSC 494, 499 may not be used. Also required are MTH 180 (3) and one more course from the following list: MTH 131, 141, 215, STA 307, 308, 409 (3 or 4); one course from among WRT 104, 106, and HPR 112 (3); and WRT 201 or WRT 332 (3).

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Deleted: and 492

Deleted: 131

Deleted: or MTH 141 (3-4)

Deleted: 142,

Deleted: CSC 340 (4) ,;

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

A possible course of studies follows.

Freshman Year First semester: 14 credits
CSC 106 (4) *B3*; WRT 104 (3) *B1, B4*; URI 101 (1); MTH 180 (3) *A1, B3*; Gen Ed (3)

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Second semester: 16 credits
CSC 110 (4); Elective (6); Gen Ed (6)

Sophomore Year First semester: 16 credits
CSC 211 (4); MTH Req (3); Gen Ed (6); Elective (3)

Second semester: 14 credits
CSC 212 (4); WRT 332 (3) *B1, B2*; Gen Ed (4); Elective (3)

Junior Year First semester: 15 credits
CSC 301 (4), 305 (4); Gen Ed (4); Elective (3)

Second semester: 16 credits
CSC 412 (4); Electives (6); Electives 300-level+(6)

Senior Year First semester: 15 credits
CSC/CSF elective (4); Gen Ed (4); Elective (4); Electives 300-level+(3)

Second semester: 14 credits
CSC Programming elective (4); Elective (3); Electives 300-level+(7)

7. Signature of the President

_____
David M. Dooley

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COLLEGE OF
ARTS AND SCIENCES

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DEPARTMENT OF MATHEMATICS
5 Lippitt Road, Room 200, Kingston, RI 02881 USA p: 401.874.2709 f: 401.874.4454 math.uri.edu

To: Curriculum Affairs Committee and Faculty Senate
Date: September 20, 2017
Subject: Support for MTH 180 to be included Computer Science curricula

The Department of Mathematics fully supports adding the course MTH 180 *Mathematical Tools for Computing* to the math requirements in the Computer Science B.A. and B.S. curriculum and as a prerequisite to CSC 212 *Data Structures and Abstractions*, a core course for computer science majors. The course was developed in close collaboration with the computer science faculty. The addition of the MTH 180 course to the math schedule will require either an additional math faculty or a teaching assistant to support the added course load.

We are excited about the collaboration and look forward to future endeavors.

Regards,

James Baglama
Professor and Chair
Department of Mathematics
University of Rhode Island

Computer Science-BA **THE UNIVERSITY OF RHODE ISLAND** FALL 2017-SPRING 2018
120 Credits Total
36-51 Credits in Major

ABOUT THE COMPUTER SCIENCE BA DEGREE:

The BA program in Computer Science is designed to provide a broad introduction to the fundamentals of computer science including software and systems, programming languages, machine architecture, and theoretical foundations of computing. The required mathematics preparation provides a basis for advanced work.

STEP 1:

Major Requirements:

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 CSC or CSF course at the 300-level or above. CSC 392, 491, ~~and 492~~ may only be used with departmental permission. CSC 499 will not fulfill this requirement			
	494,	4	
One programming course from: CSC 402, 406, 415, 436, 450, 462, 481 ,493			
CSC ____		4	

Additional Major Requirements

Course	Semester	Credits	Grade
MTH ~~131 or 141~~ 180	131, 141	3 ~~or 4~~	
One course from: MTH ~~142,~~ 215, ~~CSC 340,~~ STA 307 or 409 , 308			
		3 or 4	
One course chosen from the following: WRT 104, 106, HPR 112			
		3	
WRT 201 or 332		3	

42 credits at the 300-level or higher

(major and general education courses may fulfill this requirement)

Course	Credits	Course	Credits

Free elective credits

(to meet the 120 credits required for graduation):

Course	Credits	Course	Credits

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

Computer Science-BA **THE UNIVERSITY OF RHODE ISLAND** FALL 2017-SPRING 2018
120 Credits Total
36-51 Credits in Major

GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (note- HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

STEP 2:

General Education Credit Count				
At least 40 credits, no more than 12 credits with the same course code.				
Course	**Cr.**		**Course**	**Cr.**
			Total Gen Ed credits	40

STEP 3:

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity and Inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	

SEE OPPOSITE SIDE FOR PROGRAM REQUIREMENTS.

NOTE: This worksheet sheet is a snapshot of your entire curriculum. You must work with your advisor each term to discuss requirements to keep you on course for timely progress to complete this major. Official requirements for graduation are listed in the University Catalog.

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

Computer Science BA (2017-2018 Catalog)

Requirements by Year

For course titles and pre-requisite information, please visit: uri.edu/catalog

Fall	Spring	Milestones
Year One		
CSC 106 (B3)	CSC 110	Major and Overall GPA 2.00
WRT 104 or 106 (B1, B4)	WRT 201 or 332	Take math placement exam
A2 gen ed	B2 gen ed	MTH 111 or equivalent is a pre-req for CSC 211, should be ready to take MTH 131 or 141 in 3rd semester. C- or better required to continue with math courses.
A3 gen ed	C1 gen ed	
A4 gen ed	C2 gen ed	
URI 101		
(17cr total)	(16cr total)	Complete 30 credits
Year Two		
CSC 211	CSC 212	Major and Overall GPA 2.00
MTH 131 or 141 (A1, B3)	MTH Elective	Complete CSC 211 & CSC 212
C3 gen ed	Upper Level Elective	Consider minor or second major
G gen ed	Upper Level Elective	Eligible to move to the College of Arts & Sciences
	Free Elective	
(14cr total)	(16-17cr total)	Complete 60 credits
Year Three		
CSC 301	CSC 411 or 412	Major and Overall GPA 2.00
CSC 305	Upper Level Elective	Consider internship
Upper Level Elective	Upper Level Elective	Meet with advisor to for 300-level or above credit check (42 credits required)
Upper Level Elective	Free Elective	
	Free Elective	Declare minor (optional)
(14cr total)	(16cr total)	Complete 90 credits
Year Four		
CSC 300+ Elective	CSC 402, 406, 415, 436, 450, 462, or 481	Major and Overall GPA 2.00
Free Elective	Upper Level Elective	Complete Intent to Graduate Form by Oct 1st
Free Elective	Free Elective	Complete 120 credits
Free Elective	D1 gen ed	
Free Elective		
(16cr total)	(13cr total)	

Note: This plan is not intended to be prescriptive. Credits in transfer, as well as summer or j-term coursework, may result in deviations from the above recommendations.

THE
UNIVERSITY
OF RHODE ISLAND

Appendix C

Notice of Change form

Revised 8/2016

Notice of Change for: BS in Computer Science

Date: 8/1/17

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 2018
   First degree date:

4. **Intended location of the program**

   Kingston

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

   We are proposing two minor changes to the requirements for the BS in Computer Science:

   1) We propose to change the math courses required for a BS in Computer Science. Specifically, the new requirements will be as follows:

      MTH 180, MTH 141, MTH 142 and one more course from MTH 215, 243, 244, 362, 382, STA 307, 308, 409, 411, 412

   2) We propose to change the list of courses from which a student can choose CSC electives. Specifically, the new list will be:

      "one course from CSC 402, 406, 415, 436, 450, 462, 481 and 493 (4); any 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 may be used only with prior departmental approval. CSC 494 and 499 may not be used."

6. If applicable, please include the existing URI catalog language and proposed catalog changes indicated in Track Changes.

See below updates to catalog language below:

BACHELOR OF SCIENCE

The B.S. curriculum is designed to provide a broad introduction to the fundamentals of computer science including software and systems, programming languages, machine architecture, and theoretical foundations of computing. The required mathematics preparation provides a basis for advanced work. Students will be well prepared for careers or graduate study in computer science.

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 110 and CSC 211 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.

Students in the B.S. curriculum must complete a minimum of 56 credits as follows: CSC 106 (4), 110 (4), 211 (4), 212 (4), 301 (4), 305 (4), 340 (4), 411 (4), 412 (4), 440 (4), 499 (4); one course from CSC 402, 406, 415, 436, 450, 462, 481, and 493 (4); any 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, may be used only with prior departmental approval. CSC 494, 499 may not be used.

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Students must also complete MTH 180 (3), 141 (4), 142 (4), and one course from MTH 215, 243, 244, 362, 382, STA 307, 308, 409, 411, 412 (3 or 4); two science courses from PHY 203/273, 204/274, CHM 101/102, 112/114, BIO 101, 102, GEO 103, OCG 123 (8); and one course from WRT 104, 106, and HPR 112 (3); and WRT 201 or WRT 332 (3).

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A total of 120 credits is required for graduation. A possible course of studies follows.

Freshman Year First semester: 14 credits

CSC 106 (4) *B3*; URI 101 (1); WRT 104 (3) *B1,B4*; MTH 180 (3); Gen Ed (3)

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Second semester: 15 credits

CSC 110 (4); MTH 141 (4) *A1,B3*; Elective (3); Gen Ed (4).

Sophomore Year First semester: 15 credits

CSC 211 (4); MTH 142 (4) *B3*; Science Req (4) *A1*; Gen Ed (3).

Second semester: 16 credits

CSC 212 (4); MTH Req (3) *B3*; WRT 332 (3) *B1, B2*; Elective (6).

Junior Year First semester: 15 credits

CSC 301 (4), 305 (4), Gen Ed (3); Science Req (4) *A1*;.

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Second semester: 15 credits
CSC 340 (4), 412 (4), CSC programming elective (4), Elective (3).

Senior Year First semester: 15 credits
CSC 411 (4), 440 (4), CSC 499 (4), Gen Ed (3).

Second semester: 15 credits
CSC elective (4); CSC/CSF elective (4); Gen Ed (4); Elective (3).

7. Signature of the President

_____
David M. Dooley

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COLLEGE OF
ARTS AND SCIENCES

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DEPARTMENT OF MATHEMATICS
5 Lippitt Road, Room 200, Kingston, RI 02881 USA p: 401.874.2709 f: 401.874.4454 math.uri.edu

To: Curriculum Affairs Committee and Faculty Senate
Date: September 20, 2017
Subject: Support for MTH 180 to be included Computer Science curricula

The Department of Mathematics fully supports adding the course MTH 180 *Mathematical Tools for Computing* to the math requirements in the Computer Science B.A. and B.S. curriculum and as a prerequisite to CSC 212 *Data Structures and Abstractions*, a core course for computer science majors. The course was developed in close collaboration with the computer science faculty. The addition of the MTH 180 course to the math schedule will require either an additional math faculty or a teaching assistant to support the added course load.

We are excited about the collaboration and look forward to future endeavors.

Regards,

James Baglama
Professor and Chair
Department of Mathematics
University of Rhode Island

Computer Science-BS **THE UNIVERSITY OF RHODE ISLAND** FALL 2017-SPRING 2018
120 Credits Total
56 Credits in Major

ABOUT THE COMPUTER SCIENCE BS DEGREE:

The BS program in Computer Science is designed to provide a broad introduction to the fundamentals of computer science including software and systems, programming languages, machine architecture, and theoretical foundations of computing. The required mathematics preparation provides a basis for advanced work.

STEP 1:

MTH 180

Major 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	
Two CSC or CSF courses at the 300-level or above. CSC 392, 491, ~~and 492~~ may only be used with departmental permission. Only one course may be CSF.			
	CSC 494, 499 may not be used	4	
		4	
One course from: CSC 402, 406, 415, 436, 450, 462, 481, 493			
CSC ____		4	

Additional Major Requirements

Course	Semester	Credits	Grade
MTH 141		4	
MTH 142		4	
~~Two~~ courses from: MTH 215, 243, 244, ~~322~~, 362, 382, ~~ISE 432,~~ STA 307, 409, 411, 412, 308 (One)			
		3 or 4	
		3 or 4	
Two courses from: PHY 203/273, 204/274, CHM 101/102, 112/114, BIO 101, 102, GEO 103, OCG 123			
		3 or 4	
		3 or 4	
One course chosen from the following: WRT 104, 106, HPR 112			
		3	
WRT 201 or 332		3	

Free elective credits

(to meet the 120 credits required for graduation):

Course	Credits	Course	Credits

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

Computer Science-BS **THE UNIVERSITY OF RHODE ISLAND** FALL 2017-SPRING 2018
120 Credits Total
56 Credits in Major

GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (note- HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

STEP 2:

General Education Credit Count				
At least 40 credits, no more than 12 credits with the same course code.				
Course	**Cr.**		**Course**	**Cr.**
			Total Gen Ed credits	40

STEP 3:

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity and Inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	

SEE OPPOSITE SIDE FOR PROGRAM REQUIREMENTS.

NOTE: This worksheet sheet is a snapshot of your entire curriculum. You must work with your advisor each term to discuss requirements to keep you on course for timely progress to complete this major. Official requirements for graduation are listed in the University Catalog.

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

Computer Science BS (2017-2018 Catalog)

Requirements by Year

For course titles and pre-requisite information, please visit: uri.edu/catalog

Fall	Spring	Milestones
Year One		
CSC 106 (B3)	CSC 110	Major and Overall GPA 2.00
WRT 104 or 106 (B1, B4)	MTH 141 (A1, B3)	Take math placement exam
A2 gen ed	B2 gen ed	MTH 111 or equivalent is a pre-req for CSC 211, should be ready to take MTH 141 in 2nd semester. C- or better required to continue with math courses.
A3 gen ed	C1 gen ed	
A4 gen ed	C2 gen ed	
URI 101		
(17cr total)	(17cr total)	Complete 30 credits

Year Two		
CSC 211	CSC 212	Major and Overall GPA 2.00
MTH 142 (A1, B3)	MTH Elective	Complete CSC 211 & CSC 212
C3 gen ed	WRT 201 or 332	Consider minor or second major
D1 gen ed	Science Elective	Eligible to move to the College of Arts & Sciences
G gen ed		
(17cr total)	(13-15cr total)	Complete 60 credits

Year Three		
CSC 301	CSC 340	Major and Overall GPA 2.00
CSC 305	CSC 412	Consider internship
MTH Elective	CSC/CSF 300+ Elective	Declare minor (optional)
Science Elective	CSC 402, 406, 415, 436, 450, 462, or 481	Complete 90 credits
(14-16cr total)	(16cr total)	

Year Four		
CSC 411	CSC 499	Major and Overall GPA 2.00
CSC 440	CSC/CSF 300+ Elective	Complete Intent to Graduate Form by Oct 1st
Free Elective	Free Elective	Complete 120 credits
Free Elective	Free Elective	
	Free Elective (if needed to meet 124 credits)	
(14cr total)	(14-17cr total)	

Note: This plan is not intended to be prescriptive. Credits in transfer, as well as summer or j-term coursework, may result in deviations from the above recommendations.

THE
UNIVERSITY
OF RHODE ISLAND

Appendix D

Revised 8/2016

Notice of Change form

Notice of Change for: **AQUACULTURE AND FISHERY TECHNOLOGY BS**

Date: **12/14/2017**

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: Fisheries, Animal and Veterinary Science (FAVS)
   College: Environment and Life Sciences (CELS)

3. **Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.**

   Initiation date: September 2018
   First degree date: May 2022

4. **Intended location of the program** University of Rhode Island, Kingston Campus

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

- Change the name of the major from Aquaculture and Fishery Technology to Aquaculture and Fisheries Science BS.
- Change the degree name from Aquaculture and Fishery Technology to Aquaculture and Fisheries Science BS.
Rationale: Our program provides students with a strong foundation in the basic sciences and the specialized knowledge and skills needed to succeed in both professional and academic careers in Aquaculture and Fisheries. The change in name to **Aquaculture and Fisheries Science** is consistent with the rigor and strong focus of the program on basic sciences. It is also a better reflection of the vision and mission of the Department of Fisheries, Animal and Veterinary Science and our faculty, which have a strong focus on research in the areas of Aquaculture and Fisheries Science. **There is no need to change the subject code (AFS), or the CIP code**.

6. **If applicable, please include the existing URI catalog language and proposed catalog changes indicated in Track Changes.** Not applicable

7. **Signature of the President**

_____
David M. Dooley

THE
UNIVERSITY
OF RHODE ISLAND

Appendix E

Revised 8/2016

NOTICE OF CHANGE FORM

Notice of Change for: TCP and ECE curriculum sheets

Date: Fall, 2019

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: Human Development and Family Studies
   College: Health Sciences

3. **Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.**

   Initiation date: Fall, 2018
   First degree date:

4. **Intended location of the program**
   2 College RD. Transition Center

5. **Summary description of proposed program (not to exceed 2 pages).**
   Since HDF 208 has been approved as the replacement of HDF 357 and NFS 207/210 (and as Gen Ed) currently required for the early childhood teacher certification program, this changes should be included in the curriculum worksheets for both the TCP and the regular ECE.

6. **If applicable, please include the existing URI catalog language and proposed catalog changes indicated in Track Changes.**

Program	Existing URI catalog language (2017-2018)	Proposed catalog changes
Undergraduate program	Curriculum requirements for the Early Childhood Education (ECE) program result in a B.S. in Human Development and Family Studies. The courses required include the following: HDF 208 (or the combination of HDF 357 with NFS 207 or 210); Core Experiences: HDF 200, 201, 202, 205, and 230; Professional Content: EDC 102, 250, 312; HDF 203 and 305; Early Childhood Education Teacher Certificate Courses: HDF 301, 303, 420, 455; EDC 402, 424, 426 and 350; senior field-work experience (Student Teaching): EDC 484 and 485.	Curriculum requirements for the Early Childhood Education (ECE) program result in a B.S. in Human Development and Family Studies. The courses required include the following: ~~HDF 208 (or the combination of HDF 357 with NFS 208 or 210);~~ Core Experiences: HDF 200, 201, 202, 205, and 230; Professional Content: EDC 102, 250, 312; HDF 203, 208, and 305; Early Childhood Education Teacher Certificate Courses: HDF 301, 303, 420, 455; EDC 402, 424, 426 and 350; senior field-work experience (Student Teaching): EDC 484 and 485.
TCP Early Childhood Education (ECE)	Specifications for the TCP ECE requirements are not provided in the current catalog as they are equal to the requirements for the undergraduate program in ECE.	

7. Signature of the President

David M. Dooley

THE
UNIVERSITY
OF RHODE ISLAND

Appendix F

Revised 8/2016

NOTICE OF CHANGE FORM

Notice of Change for: The Doctor of Pharmacy progression standards in the College of Pharmacy

Date: 2/8/2018

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: NA
   College: Pharmacy

3. **Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.**

   Initiation date: Fall 2018
   First degree date: Spring 2024

4. **Intended location of the program**: Kingston campus, URI

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

6. **If applicable, please include the existing URI catalog language and proposed catalog changes indicated in Track Changes.** attached

7. **Signature of the President**

_____
David M. Dooley

College of Pharmacy
Doctor of Pharmacy
Justification of Requested Progression Requirement Changes

The Doctor of Pharmacy degree program is an accredited program through the American Council of Pharmacy Education (ACPE). Our current standards require that the College manage enrollment and admission procedures and use quality metrics and indicators linked to successful program outcomes (such as on-time graduation rates). Our standards also require a structured formal interview with assessment of oral and written communication skills. As background information, most schools of pharmacy only admit students into the first professional year which is the third year of our program of study. URI is one of only 7 schools that admits high school students as Freshmen into the College of Pharmacy. The changes we are requesting to the published requirements for progression from sophomore to P1 standing address negative changes in the quality metrics the college is required to report to ACPE and to clarify currently existing language to eliminate any potential for confusion.

1. **Graduation Rates Are Declining.** Our on-time graduation rates have been declining both for the Freshmen to 6th year cohort and the P1-4 cohort (3rd to 6th year). In addition, data from our Scholastic Standing Committee shows an increase in the number of students not meeting our progression standards during the P1-P4 years (particularly in the P1 year) which will further lower our on-time graduation rates in the future. Every Fall, the College is required to complete detailed accounting reports to show the progression of every student in the P1 year through their graduation in the P4 year.

Our Accreditation Standards state the following:

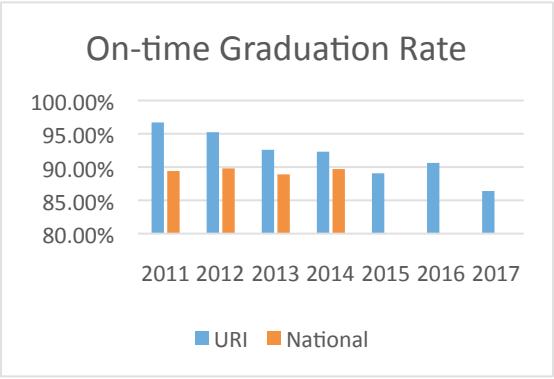
11.6.3 On-Time Graduation Rate Monitoring: ACPE also requests annual reporting of the following information regarding the most recent graduating class from accredited programs and at least once per year, the Board will review the data provided by the American Association of Colleges of Pharmacy (AACP):

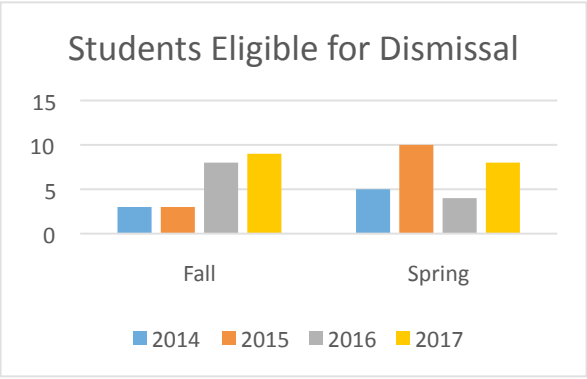
- Matriculating class size for the first professional year of graduating class
- Number of graduates of the class completing the curriculum in the specified timeframe
- Number of academic dismissals
- Number of student withdrawals

A letter will be sent to a program requesting that they identify the cause of and provide an action plan for correcting any negative changes or trends if:

a. The number of academic dismissals is greater than or equal to six percent of the matriculating class size
b. The number of students withdrawing from the program is greater than or equal to six percent of the matriculating class size
c. The number of students with a delayed graduation is greater than or equal to fifteen percent of the matriculating class size
d. The total attrition related to on-time graduation is greater than or equal to twenty-four percent of the matriculating class size.

The following two graphs show 1) Graduation Rates calculated by our accrediting body, and 2) numbers of students eligible for dismissal by the Scholastic Standing Committee of the College. As can be seen by the on-time graduation rate in 2017, 14% of that class didn't graduate on time. We expect the on-time graduation rate to decline further based on the number of P1 students in academic jeopardy. When we don't meet the standards set by our accrediting body, the College will be placed on notice and required to submit a plan of correction. We consider improving our progression standards an important step for this plan.





2. **Increasing the Required Science GPA from 2.5 to 2.7.** Students must currently have an average of 2.5 in the required science prerequisite courses in order to progress into the P1 year. If the 2.7 requirement had been in place for our current P1 students, 8 students would have been affected. Of those 8 students, 3 met dismissal criteria and 3 are on probation after the Fall 2017 P1 semester.
3. **Increasing the overall GPA to a 3.0.** The following table shows the cumulative GPA spread for our current Freshmen (2023) and Sophomore (2022) classes. Of the 12 students in the freshmen class below a 3.0, all but 2 have science prerequisite GPAs of >2.7 and their deficiencies can be corrected with a 2nd grade option. Of the 11 sophomore students with GPAs < 3.0, only 1 has a science prerequisite GPA of > 2.7.

GPA	Freshmen (2023)	Sophomore (2022)
3.75-4.0	65 (49%)	48 (43%)
3.5 – 3.75	23 (17%)	25 (23%)
3.25 – 3.5	16 (12%)	20 (18%)
3.0 – 3.25	17 (13%)	7 (6%)
< 3.0	12 (9%)	11 (10%)

4. **Improving the language that describes our required interview.** Several years ago, we instituted a required structured interview for sophomore students to progress into their P1 year. Rarely, we have students who fail to attend without an excused absence. We allow students who fail the interview one repeat interview but do not wish to allow the 2nd interview opportunity for students who have no excused absence for the first interview opportunity. To date, no PharmD student has failed to be successful with the interview process.

To improve the academic readiness of our freshmen and sophomore students for the professional courses, the following action is underway but doesn't affect the catalog language. We include this paragraph for your information.

Our Freshmen students transfer in a large number of credits. Our current freshmen and sophomore cohorts who had AP credit had an average of 17 and 20 AP credits respectively (with a high of 47 credits!). The courses most often represented are BIO 101/102, CHM 101/102/112/114, and calculus (either 131 or 141). In the current Freshmen class, 22 students had AP scores of 3 and 7 students had scores of 4 or 5 in AP chemistry (for our sophomores, 18 had AP scores of 3 and 10 had higher scores). Additionally, it has become popular for students to transfer in organic chemistry from other schools (fearing a challenging course at URI). In the current P1 class of ~ 130 students, 63 students transferred in organic credit. Combining these two circumstances leads to students who may not take any chemistry at URI and who's first two years may not help students learn how to be successful with multiple challenging courses. With consultation from the Department of Chemistry, we will advise students with AP Chemistry credit to enroll in CHM 112 in the fall of their Freshmen year as a way to refresh and review their chemistry knowledge. We are in the process of creating LLCs with CHM 112 as a component to meet this need in the Fall of 2018.

pharm.d. requirements for progression to the professional program

Requirements for Progression to the Professional Program. Pharm.D. students must request transfer from University College for Academic Success to the College of Pharmacy at the end of three semesters. There are three requirements for successful progression.

1. During their sophomore year, all students are required to have a formal interview. The student's progression to the professional program will be contingent upon a successful interview. The interview is designed to assess students' commitment to the profession of pharmacy, knowledge of the profession, and ability to communicate with patients. Interviews will follow University policies for excused absences (University Manual Sections 8.51.11-8.51-13). Students will only be excused from scheduled interviews due to a documented illness or emergency. If a student fails to attend the scheduled interview for reasons outside of Sections 8.51.11-8.51.13, the student will receive an automatic failure for their first interview and be allowed only one other opportunity to successfully interview. Otherwise, a~~A~~ll students will be allowed a maximum of two interviews to successfully complete this program requirement. Students unsuccessful in completing the interview by the second attempt will be dismissed from the Pharm.D. program.
2. After three semesters, only those pharmacy students having a 2.70 grade point average or better in 12 of the 16 required preprofessional courses (CMB 201 and 311; BIO 101, 220, 221, 222, and 223; CHM 101, 102, 112, 114, 226, 227, and 228; MTH 131; and STA 307) with no grade less than C- in any of these courses
3. An overall grade point average of 3.0

~~After three semesters, only those pharmacy students having a 2.50 grade point average or better in 11 of the 15 required preprofessional courses (CMB 201 and 311; BIO 101, 121, 242, and 244; CHM 101, 102, 112, 114, 226, 227, and 228; MTH 131; and STA 307) with no grade less than C- in any of these courses, and an overall grade point average of 2.00, will be admitted at this time, provided they have successfully completed the interview.~~ Pharmacy students who have met the three criteria above ~~Successful candidates~~ must maintain a grade point average of 2.7~~5~~0 in the remaining four prerequisite courses. Students who lose their seat at the end of three or four semesters will be considered for admission on a competitive basis along with other URI undergraduate students seeking transfer into the program at the end of four semesters. Applicants with a grade point average of less than 2.7~~5~~0 for the designated preprofessional courses will not be considered for admission to the college.

For purposes of admission among transfer students (both internal and external), all of the preprofessional courses listed above (or equivalent courses) must be completed. All applicants must have a 2.7~~5~~0 in these courses, and successful candidates will be competitively selected from the applicant pool. They must also successfully complete a formal interview. PCAT exams, work experience, and letters of recommendation are required for all transfer applicants. Bachelors of Science in Pharmaceutical Science (BSPS) majors who transfer into the Pharm.D. program cannot major in the BSPS degree while they are in the Pharm.D. program.

In addition, all students must complete WRT 106, ECN 201, COM 100, and PHL 212 as a specific component of their general education prior to admission to the professional curriculum. Please note that it is a competitive program and seats are limited. For a more detailed description of these requirements, see the Admission website.

Beginning in the professional curriculum third year (P1) students must possess a laptop computer that is capable of running the electronic exam software used at the College of Pharmacy. These devices must run on Windows, macOS, or iOS operating systems with sufficient RAM and hard drive capacity to effectively run software. Please contact the Office of Student and Academic Affairs for the most current system requirements.~~have their own laptop computer for use in the classroom~~. There are lease and purchase options at the University Bookstore for interested students.

Unless otherwise indicated, courses offered within the Pharm.D. program are restricted to Pharm.D. majors. All courses within the Pharm.D. program may hold evening exams in conjunction with University policies.

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2. After three semesters, only those pharmacy students having a 2.70 grade point average or better in 12 of the 16 required preprofessional courses (CMB 201 and 311; BIO 101, 220, 221, 222, and 223; CHM 101, 102, 112, 114, 226, 227, and 228; MTH 131; and STA 307) with no grade less than C– in any of these courses
3. An overall grade point average of 3.0

Pharmacy students who have met the three criteria above must maintain a grade point average of 2.70 in the remaining four prerequisite courses. Students who lose their seat at the end of three or four semesters will be considered for admission on a competitive basis along with other URI undergraduate students seeking transfer into the program at the end of four semesters. Applicants with a grade point average of less than 2.70 for the designated preprofessional courses will not be considered for admission to the college.

For purposes of admission among transfer students (both internal and external), all of the preprofessional courses listed above (or equivalent courses) must be completed. All applicants must have a 2.70 in these courses, and successful candidates will be competitively selected from the applicant pool. They must also successfully complete a formal interview. PCAT exams, work experience, and letters of recommendation are required for all transfer applicants. Bachelors of Science in Pharmaceutical Science (BSPS) majors who transfer into the Pharm.D. program cannot major in the BSPS degree while they are in the Pharm.D. program.

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