

THE
UNIVERSITY
OF RHODE ISLAND
FACULTY SENATE OFFICE


Green Hall, 35 Campus Avenue, Kingston, RI 02881 USA p: 401.874.2616



Serial Number #18-19-27B

TO: President David Dooley
FROM: Hillary Leonard, Chairperson of the Faculty Senate

1. The attached BILL titled, the Curriculum and Standards Committee Report #2018-19-12: Curricular Changes, is forwarded for your consideration.
2. This BILL was adopted by vote of the Faculty Senate on April 18, 2019.
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 May 2, 2019, 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.


Hillary Leonard
Chairperson of the Faculty Senate

April 18, 2019

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

5.1.19
(date)

UNIVERSITY OF RHODE ISLAND FACULTY SENATE
April 18, 2019

Faculty Senate Curriculum and Standards Committee
Report 2018-2019-12

At the April 4, 2019 meeting of the Curriculum and Standards Committee, 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 CHANGES:

College of Health Sciences:

BS Human Development and Family Studies

(see Appendix A)

HDF faculty have voted to remove HDF450 (Introduction to Counseling) as a required professional elective course in the major. It will continue to be offered as a professional elective that is 'highly recommended but not required.' The purpose of this change is to allow students interested in counseling careers the option to take the course, but not require students who are interested in other career paths to take the course. Additionally, HDF450 is a highly intensive course which requires smaller class sizes, and offering it to all majors is a scheduling challenge.

College of Business:

BS, Textiles, Fashion Merchandising, and Design

(see Appendix B)

ADD to major requirements "CSC 101 or BUS 110"

"The following core courses are required: TMD 103G, 126, 224, 232, 3031, 313, 402, 4332; one of the following: TMD 240, 426, 440, or 441; ART 101, 207; ART 120, 251, or 252; CHM 101/102 or 103/105; ECN 201 and 202; CSC 101 or BUS 110, one of the following natural sciences: BIO 105, MIC 190, NFS 207 or 210, PHY 111/185 or PHY 112/186."

BS in Business Administration and various spots in catalog

(see Appendix C)

Current: BUS 110; Change: BUS 110 or BUS 113; Changes to occur in the catalog for Business Administration and Textile Marketing, and the Business Institutions major, and catalog course prerequisites.

BS in Business Administration - Marketing major**(see Appendix D)**

The program leads to a BS in Marketing. A major focus of marketing is determining product and service needs of consumers and industries as well as understanding how an organization deals with these marketing issues. The courses required of a marketing major give the student a well-rounded view of consumer and organizational needs.

Change required core courses and add a list of elective students must choose from.

Minor in Textiles, Fashion Merchandising and Design**(see Appendix E)**

Students declaring a minor in TMD must earn 18 credits, including TMD 103G. At least 12 credits must be at the 200-level or above. At least 9 credits must be earned at URI. Up to 3 credits of internship (TMD 461) can be applied to the minor. Students must meet all appropriate prerequisites. TMD majors have priority for enrollment in high-demand classes. Visit the TMD minor web page (<https://web.uri.edu/tmd/tmd-minor>) for suggested courses in the various TMD specializations.

College of Engineering:**All Engineering Degree Programs:****(see Appendix F)**

Add the statement “and complete at least 120 credits.” to the graduation requirements to the catalog copy for all engineering degrees.

B.S. Computer Engineering:**(see Appendix G)**

The mathematics component of our current curriculum includes three calculus courses (MTH 141, 142, and 243), advanced engineering math (MTH 362), discrete math (MTH/CSC 447) and probability and statistics (MTH 451). To improve our students’ preparation in mathematics we propose removing MTH 362 as a requirement and replacing it by two courses, MTH 215 (linear algebra) and MTH 244 (differential equations). The mathematics department supports this change.

Also, recognizing the intended flexibility of the new general education requirements and the quantity of the requirements already met by required courses in the major, we have modified the appropriate text and footnote so as to not force any student to take unneeded credits beyond 120, the minimum required for BS completion.

B.S. in Electrical Engineering:**(see Appendix H)**

The mathematics component of our current curriculum includes three calculus courses (MTH 141, 142, and 243), advanced engineering math (MTH 362), and a course on probability and statistics (MTH 451 or ISE 311). To improve our students’ preparation in mathematics we propose removing MTH 362 as a requirement and replacing it by two courses, MTH 215 (linear algebra) and MTH 244 (differential equations). The mathematics department supports this change.

We are removing ELE 331 Introduction to Solid State Devices from the requirements.

We are concurrently updating a current course that is applicable as a “professional elective” (423/424) and reflecting that newly expected corresponding lab credit in the list of permissible options.

Finally, recognizing the intended flexibility of the new general education requirements and the quantity of the requirements already met by required courses in the major, we have modified the appropriate text and footnote so as to not force any student to take unneeded credits beyond 120, the minimum required for BS completion.

BS Ocean Engineering:**(see Appendix I)**

The following changes are being proposed for the undergraduate ocean engineering program:

Sophomore year, spring semester

- the number of credits for OCE 206 (Ocean Measurements and Instrumentation) is reduced from 4 to 3 credits.
- a general education slot is replaced with OCE 213 (Computer Programming for Ocean Engineers)
- the number of credits this semester decreases from 16 to 15 credits.

Junior year, fall semester

- a new, 1-credit lab course, OCE 315 (Hydrodynamics for Ocean Engineers), is added.
- OCE 310 (Basic Ocean Measurement) is removed.
- ISE 311 (Probability and Statistics for Engineers) is added.
- A technical elective course is added. This elective consists of either CVE 354 (Structural Engineering), OCE 360 (Robotic Ocean Instrumentation Design), or MCE 341 (Fundamentals of Thermodynamics).
- Update footnote "2" to reflect at least two (2) of the professional and technical electives must be "OCE" courses
- The number of credits this semester increases from 16 to 17.

Junior year, spring semester

- A professional elective is replaced with OCE 394 (Design Applications in Ocean Engineering).
- The number of credits is unchanged at 18.

Robotics Engineering Minor:**(see Appendix J)**

A new course, ELE/MCE/OCE 456, Foundations of Robotics, has been added to the list of required courses for all three Options of the Robotics Engineering Minor. Previously the minor had three required courses and three elective courses for each option. With this change, each option now has four required courses and two elective courses.

Also adding a notation to indicate MCE 366 (MCE BS degree requirement) cannot be used toward satisfaction of the minor for MCE majors

COLLEGE OF ARTS AND SCIENCES:**BA - Criminology and Criminal Justice major:****(see Appendix K)**

With the creation of new courses in Criminology & Criminal Justice and participating departments, it is necessary to update the catalog language. These changes are meant to provide more course options for students in the major and to also include more specific language about the requirements within the program.

PSC 334 (Government Powers and the Law) was approved by the CSC and Faculty Senate in September 2018. Support was included for this course by CCJ, including the addition of this course as an elective for CCJ majors. It will be taught for the first time in Fall 2019.

CCJ 333 (Ethics in Criminal Justice) is being proposed as a new course (included in this package) and will be included as an elective for CCJ majors. This course was previously taught as SOC 300 (Topics in Sociology) during Fall 2017 and Spring 2018.

BA - Philosophy major:**(see Appendix L)**

The Department of Philosophy offers a Bachelor of Arts degree. The degree requires 33-48 credits in the major. Philosophy majors must complete no less than 33 credits (maximum 48 credits) in

philosophy. Program Requirements include: PHL 205; at least one of PHL 101 or PHL 451 (logic); at least one of PHL 212, 314 (ethics); at least one of PHL 341, 342, 452G (analytic philosophy); both PHL 321 and 323 (history); at least one of 318, 324, 346 (European philosophy); and PHL 490 (senior seminar).

At a department meeting we decided to add PHL 451 (recently cross listed with CSC) to the 341, 342, 452G analytic philosophy group and to add PHL 366 (a recently approved new course) to the 318, 324, 346 European philosophy group. The reasons for this are: 1. 366 is a new course that fits squarely within the European group, 2. 451 fits within the analytic group. 3. By having four or courses within each of these groups and offering them once every two years on a rotating basis, students will have at least one choice from each of these groups every semester making it more likely they can complete their requirements in a timely manner.

BA - International Studies and Diplomacy Program

(see Appendix M)

Below we include our minor changes to existing URI catalog language pertaining to changes in the GPA requirement for entering the DGC from UC as well as adjustments to our admission requirements for the program.

In addition to the minor curricular and admission revisions, we also request a notation in the “milestones” section in the Official URI Transcript to be noted “Completion of the International Studies and Diplomacy Program, [date]” upon graduation for all students successfully completing the program.

COLLEGE OF PHARMACY:

Doctor of Pharmacy Program:

(see Appendix N)

The College of Pharmacy and the Curriculum Committee of the College have considered over the last two years, how best to update the PharmD program. Reasons for the changes include passage of new accreditation standards (ACPE Standards 2016 were released just after our last accreditation process in 2016), need to include updated course material in certain areas of pharmacy based on new evidence favoring new medications for disease treatment, and a reorganization of some existing material to improve student success. Approval of the following changes are requested:

1. Revision of the pharmaceuticals sequence in the first professional year. BPS 301/303/305 are being replaced by BPS 319 and 320. This allows for two 3-credit courses to be sequenced over two semesters vs. the older curriculum which had three 2-credit courses in the first semester of the P1 year.
2. A change in delivery of our self-care classes so that students have their first required self-care course in the Fall of the P1 year. This helps students better understand over-the-counter medications and dietary supplements when they’re completing their introductory pharmacy practice experiences (IPPEs). We have taught an existing self-care class in the second professional year which will remain so that the students have two 3-credit self-care classes over two years.
3. A reorganization of the social and administrative science courses to better align topics with the skill set of the student and to allow for reinforcement of important material later in the curriculum. For instance, PHP 316 Pharmacy Law and Ethics is currently delivered in the spring of the P1 year. The content of this course will still largely be taught in the P1 spring, but also included and reinforced in

subsequent years. Reviewing pharmacy law content closer to when students need to take their law board exam is important to the students' obtaining their pharmacist licenses.

4. Addition of new updated material. Some areas of pharmacotherapeutics have seen a dramatic increase in drugs made from biologic processes that affect the immune system. For instance, ten years ago there were approximately 40 immuno-suppressant drugs available and today there are more than 80 on the market. Changing the existing course PHP/BPS 311 to PHP/BPS 415 with an additional credit, will allow for needed content for the treatment of auto-immune diseases and the prevention of graft rejection for patients with solid organ grafts. This latter topic wasn't addressed in our previous curriculum.

5. With our updated curriculum, which will likely continue with additional change next year, we are committed to offering courses in a time and space efficient manner. This means we are moving away from many small 2-credit courses to more customary 3-credit courses.

NOTICE OF CHANGE FORM

Notice of Change for: Human Development and Family Studies

Date: 2/20/2019

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: College of Health Sciences

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

Initiation date: Fall 2019

First degree date: Spring 2024

4. Intended location of the program

Department of Human Development and Family Studies

Kingston and Providence campuses

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

HDF faculty have voted to remove HDF450 (Introduction to Counseling) as a required professional elective course in the major. It will continue to be offered as a professional elective that is 'highly recommended but not required.' The purpose of this change is to allow students interested in counseling careers the option to take the course, but not require students who are interested in other career paths to take the course. Additionally, HDF450 is a highly intensive course which requires smaller class sizes, and offering it to all majors is a scheduling challenge.

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

Students are required to complete the following core curriculum: 1) HDF 180 (1 credit) personal and career development; 2) 15 credits of core courses: HDF 200, 201, 202, 205, and 230; 3) any two early field experience courses from the following list: HDF 203, 306, 310, 312, 314; all courses are 4 credits, with 1 credit consisting of a three hour weekly practicum. 4) seven to 13 credits of senior-level field experience and seminar chosen from the following options-HDF 480/481; EDC 484/485 (early childhood education students only); or, in special circumstances, the OIEE Internship Program (see Center for Career and Experiential Education). 5) at least 12 credits in one of the following three

concentrations: Child Settings: 4 courses from the following - HDF 301, 302, 305, 357, 400, 420, 430, 432, 434, 455. HDF 203, 303, 306, and 310 may also count if not used for an early field experience. Family and Community Settings: 4 courses from the following - HDF 318G, 357, 405, 418, 421, 428, 430, 431, 432, 433, 434, 437, 440. HDF 310, 312, and 314 may also count if not used for an early field experience. Family Finance: 4 courses from the following - HDF 225, 318G, 418, 424, 428, 434. 6) ~~HDF 450 and 9~~ 12 credits of relevant professional electives. Professional electives must be approved in consultation with an advisor, and only 3 credits may be below the 300 level. Field experience courses do not meet this requirement. 7) 18-35 credits of free electives as necessary to reach the 120-credit B.S. degree requirements. HDF offers general education courses, including HDF 225, 318G, 440.

7. Signature of the President

David M. Dooley

Program Change Approvals-HDF and NFS

1 message

Brian <bquilliam@uri.edu>

Mon, Mar 4, 2019 at 1:14 PM

To: Joanne Lawrence <jlawrence@uri.edu>

Hi Joanne,

I uploaded several documents for CSC and graduate council review on the SAKAI site, including two minor program changes:'

1. HDF, changing the HDF 450 requirement;
2. NFS, adding NFS 512 as a course option in the MS program.

Both of these proposals have been reviewed and approved by the College's Curriculum Committee (on 3/1/19; I approve as chair) and I am approving for the Dean's office today.

Please let me know if you need any additional information.

Thank you,

Brian

Brian J. Quilliam, Ph.D.

Associate Dean

University of Rhode Island

College of Health Sciences

55 Lower College Road, Suite 107

Kingston, RI 02881

(401) 874-2030 [Voice]

bquilliam@uri.edu

THE UNIVERSITY OF RHODE ISLAND
DEPARTMENT OF HUMAN DEVELOPMENT & FAMILY STUDIES CURRICULUM SHEET
 120 Total Credits Required

FALL 2019-

Name: _____
Advisor Signature (Attached with Intent to Graduate Form) _____

ID Number: _____
Date: _____

GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the 12 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. One course must be a Grand Challenge (G). No more than 12 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. **Courses meeting the following outcomes must be taken prior to admittance in to the HDF major: A2 Social & Behavioral Science; B1 Writing Effectively; & B3 Mathematical, statistical or computational strategies.**

Note to all students: This 2 sided worksheet 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. Taking 15 credits each semester will ensure timely graduation. Official requirements for graduation are listed in the University Catalog.

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

General Education Outcome Audit	
At least 3 credits in each outcome	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	
G1. Check that at least one course of your 40 credits is an approved "G" course.	

Approved HDF Gen courses are: HDF 225, HDF 318G, HDF 440, NUR/HDF 150.

Free Electives: Use free electives as needed to total 120 credits											
Course	Cr	Sem	Course	Cr	Sem	Course	Cr	Sem	Course	Cr	Sem

SEE OPPOSITE SIDE FOR SPECIFIC PROGRAM REQUIREMENTS.

DEPARTMENT OF HUMAN DEVELOPMENT & FAMILY STUDIES CURRICULUM SHEET

120 Total Credits Required

ABOUT HDF BS DEGREE:

Students seeking admission to the bachelor's degree program in HDF must complete the following courses with an overall GPA of 2.0 prior to acceptance into the major: HDF 200 or 201, AND general education courses with these outcomes: A2. Social & Behavioral Science, B1. Writing Effectively, and B3. Mathematical Strategies. An overall 2.0 GPA is needed to transfer from University College to the College of Health Sciences.

PROGRAM REQUIREMENTS:

Course:	Title	Semester	Credit	Course	Title	Semester	Credit
Core Requirements				Early Field Experience: Choose 2 courses			
HDF 180	Personal and Career Development in Human Services		1	HDF 203	Introduction to Work with Children		4
HDF 200	Life Span Development I		3	HDF 306	Infant Development		4
HDF 201	Life Span Development II		3	HDF 310	Adolescent Development		4
HDF 202	Research Perspectives in HDF		3	HDF 312	Adult Development.		4
HDF 205	Family Finance Issues Across the Life Span		3	HDF 314	Introduction to Gerontology		4
HDF 230	Marriage and Family Relationships		3	Senior Field Work (7 credit minimum): Taken after 90 credits have been completed.			
Professional electives: 4 electives. Only 1 may be at the 200 or lower level. Advisor approval required.				HDF 480	Senior Field Experience/ Internship		6
HDF 450	Introduction to Counseling (highly recommended but not required)		3	HDF 481	Senior Field Seminar		1
			3	HDF 482x	Senior Field Exp II		1-6
			3				
			3				
PROFESSIONAL CONTENT AREA-Students take any FOUR courses from ONE area...12-13 credits							
Child Setting		Family and Community Settings		Family Finance			
HDF 301(4) Early Childhood Curric F _____		HDF 318G(3) Health & Wellness _____		HDF 225(3) Consumer in the Econ _____			
HDF 305(3) Involving Fam in Diverse Early Childhood Settings _____		HDF 357(3) Family & Cmty Health _____		HDF 318G(3) Health & Wealth _____			
HDF 357(3) Fam & Cmty Health _____		HDF 405(3) Polic Iss in Health & Aging _____		HDF 418(3) Personal Finance _____			
HDF 400(3) Adv. Sem in Child Dev _____		HDF 418(3) Personal Finance _____		HDF 424(3) Appl of Personal Finance S _____			
HDF 420(3) Early Lang & Lit _____		HDF 421(3) Death, Dying & Bereav _____		HDF 428(3) Consumer Protection _____			
HDF 430(3) Family Interaction _____		HDF 428(3) Consumer Protection _____		HDF 434(3) Child & Fam in Poverty _____			
HDF 432(3) Perspectives on Parenting _____		HDF 430(3) Family Interaction _____					
HDF 434(3) Child & Fam in Poverty S _____		HDF 431(3) Family & the Elderly _____					
HDF 455(3) Asses Young Children S _____		HDF 432(3) Perspectives on Parenting _____					
		HDF 433(3) Family Life Education _____					
		HDF 434(3) Child & Family in Poverty S _____					
		HDF 437(3) Law& Families in the US S _____					
		HDF 440(3) Envir Context of Aging S _____					

Note: **BOLD** = Course approved as General Education Course; F = fall only; S = Spring only

MINOR FIELD OF STUDY

Students may pursue a minor field of study by taking 18 credits in one field or in an interdisciplinary field (e.g., Leadership Studies, Thanatology). These courses may also be used to fulfill other non-major requirements. The department in which the minor is granted and the CHS Dean's office must sign the Minor Field of Study form. Consult with the department in which you are minoring for guidance in course selection. Completed minor forms are due the semester prior to graduation.

Minor Pursued: _____

Courses: _____

CERTIFICATION OPTIONS IN HDF Early Childhood Education (ECE) Teacher Certification: HDF majors may apply to the early childhood education teacher certificate program. Please visit: <http://web.uri.edu/education/office-of-teacher-education/> to learn about the application process.

Certified Family Life Educator (CFLE). Completion of the following courses qualifies a student to apply for a provisional CFLE certificate: NUR/HDF 150, HDF 200, 201, 202, 205, 430, 432, 433, 434, 437, and 480/481. For more information, please go to: <https://www.ncfr.org/cfle-certification/become-certified>

THE UNIVERSITY OF RHODE ISLAND

FALL 2019-

DEPARTMENT OF HUMAN DEVELOPMENT & FAMILY STUDIES CURRICULUM SHEET

120 Total Credits Required

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NOTICE OF CHANGE FORM

Notice of Change for: **Graduation requirements in BS, Textiles, Fashion Merchandising and Design**

Date: January 11th, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: TMD

College: Business

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

Initiation date: Fall 2019

First degree date: N/A

4. Intended location of the program

N/A

5. Summary description of proposed program **change**

ADD to major requirements "CSC 101 or BUS 110"

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

"The following core courses are required: TMD 103G, 126, 224, 232, 303¹, 313, 402, 433²; one of the following: TMD 240, 426, 440, or 441; ART 101, 207; ART 120, 251, or 252; CHM 101/102 or 103/105; ECN 201 and 202; CSC 101 or BUS 110, one of the following natural sciences: BIO 105, MIC 190, NFS 207 or 210, PHY 111/185 or PHY 112/186."

7. Signature of the President

David M. Dooley

From: Susan Hannel <shannel@uri.edu>
Subject: Fwd: TMD Requirement change for transferring to CBA & CSC 101 required
Date: February 1, 2019 at 2:20 PM
To: Bide Martin <mbide@uri.edu>

SH

Begin forwarded message:

From: Joanne Lawrence <jlawrence@uri.edu>
Subject: Re: TMD Requirement change for transferring to CBA & CSC 101 required
Date: August 10, 2018 at 1:07:58 PM EDT
To: Lisa DiPippo <dipippo@cs.uri.edu>
Cc: wolfe@cs.uri.edu, Susan Hannel <shannel@uri.edu>

This is just what I needed, thank you!

joanne

Joanne Lawrence
Specialist, Faculty Senate Office
301 Green Hall
401-874-2616

On Fri, Aug 10, 2018 at 1:03 PM Lisa DiPippo <dipippo@cs.uri.edu> wrote:
Joanne,

Susan Hannel and I discussed adding CSC 101 as a requirement for TMD students last spring. We think this is a good idea and we support the change. If you need this on letterhead or something more formal, please let me know.

Thanks,

Lisa

On Aug 10, 2018, at 12:47 PM, Susan Hannel <shannel@uri.edu> wrote:

Dear Lisa and Vic;

Per our conversation last spring, TMD is adding CSC 101 as a requirement. Could you please send Joanne an acknowledgment that you agree to this change?

Thank you,

Susan

Susan L. Hannel, PhD
Chair, Associate Professor
Textiles, Fashion Merchandising and Design Department
College of Business Administration
University of Rhode Island
55 Lower College Rd.
Kingston, RI 02881
401-874-2882
shannel@uri.edu
<http://web.uri.edu/tmd/meet/susan-l-hannel/>

Begin forwarded message:

From: Joanne Lawrence <jlawrence@uri.edu>
Subject: TMD Requirement change for transferring to CBA
Date: August 10, 2018 at 12:03:26 PM EDT

Date: August 18, 2016 at 12:00:20 PM EDT

To: Susan Hannel <shannel@uri.edu>

Cc: Margaret Benz <mpbenz@uri.edu>

Hi Susan: I am preparing the proposals for the first Curriculum and Standards Committee meeting which will include the proposal to change the admission requirements to the college for TMD and adding CSC 101 as a core requirement.

My question is, do you have an acknowledgement from Computer Science regarding the CSC 101? If you do, could you please forward it to me?

Please let me know if you have any questions. Thank you,

Joanne

Joanne Lawrence
Specialist, Faculty Senate Office
301 Green Hall
401-874-2616

Name:	Entering Year:	Intent to Graduate:	
SID#:	Advisor signature:	Date:	

ABOUT THE TEXTILES, FASHION MERCHANDISING AND DESIGN BS DEGREE: -120 credits total – 51 crs. in major

The TMD program allows students to focus in apparel merchandising, apparel design, textile science or historic clothing and textiles. The program educates students in the textile and apparel supply chain from textiles to apparel design and retailing. Students develop technical, creative, business and critical thinking skills through hands-on practical experience working closely with instructors in classroom setting and one-to-one exchanges.

Major Requirements:

Course	Credits	Grade
CHM 101*/102 or 103*/105	4	
<u>CSC 101 or BUS 110</u>	<u>3</u>	
NFS 207*, 210*, BIO 105*, AFS 190/ PLS 190, PHY 111/185, PHY 112/186	3-4	
ECN 201*	3	
ECN 202*	3	
ART 101*/207*/120*/251*/252*	3	
TMD 103G* Textile Products	3	
TMD 126* Intro to Design	3	
TMD 224 Culture, Dress & Appearance	3	
TMD 232 Fashion Retailing	3	
TMD 303 Textile Science	3	
TMD 313 Textile Science Lab	1	
TMD 240* Dev. of Contemp. Fashion or 440 Historic Textiles or 441 History of Western Dress or 426 Hist. & Contemp. Furniture	3	
TMD 402 Seminar (Spring Only)	1-2	
TMD 433* Textile Markets	3	
At Least 36-38 Total Credits		

Professional Electives:

Course	Credits	Grade
	3	
	3	
	3	
	3	
	3	
	3	
9 credits must be from the same department		

STEP 1:**Free Elective Credits**

To meet the 120 credits required for graduation

Course	Credits	Grade

TMD Electives:

Course	Credits	Grade
	3	
	3	
	3	
	3	
	3	
9 credits (3 courses) must be 300 level or above		

Please note: Both major and cumulative GPA must be

NOTE: To transfer out of UC into the College of Business Administration:

Students must complete TMD 103G and CHM 103 with a 2.0/C average

69 credits are required for the major

(Major Requirements, TMD Electives & Professional Electives)

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 three courses/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:

STEP 3:

General Education Credit Count		
At least 40 credits, no more than 12 credits with the same course code.		
Course	Credits	Grade
TMD 103G**	3	
TMD 126**	3	
CHM 103** or CHM 101**	3	
ECN 201**	3	
ECN 202**	3	
ART 101** or 120** or 207** or 251** or 252**	3	
TMD 433**	3	
	Total Gen Ed credits	40

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	CHM10 or CHM101
A2. Social & Behavioral Sciences	ECN 201
A3. Humanities or Language	ART 120 or 251 or 252
A4. Arts & Design	TMD126 or ART101 or ART207
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	TMD 126
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	ECN 202
C2. Global responsibilities	TMD 103G
C3. Diversity & Inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	TMD 433
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	TMD 103G

****Required for the Textiles, Fashion Merchandising and Design BS degree**

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

Merchandising	Design	Historic	Textile Science
TMD 222 Apparel Production	TMD 222 Apparel Production	TMD 240* Dev. Contemp. Fashion	TMD 113* Color Science
TMD 226 Interior Design	TMD 226 Interior Design	TMD 426 Historic and Contemp. Furniture	TMD 403 Textile Performance
TMD 332 Fashion Merch. Buying	TMD 225 Apparel I	TMD 440 Historic Textiles	TMD 413 Dyeing and Finishing of Textiles
TMD 424 Fashion Theory & Analysis	TMD 326G* What is Good Design?	TMD 441 History of Western Dress	
TMD 432 Fashion Retail Supply Chain	TMD 335 Apparel II		
TMD 442 Fashion Promotion	TMD 327 Apparel Design		
TMD 452 Consumer Behavior in Fashion Retailing	TMD 345 CAD Apparel Design		
	TMD 346 CAD in Textile and Apparel Design		
	TMD 355 Draping for Apparel		
	TMD 358 Weaving		
	TMD 427 Portfolios and Presentations		

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.

Seniors who have a 3.0 or above may take TMD graduate courses. Work in each of these areas can be extended with “Special Problems” courses TMD 361/2 under the supervision of a TMD faculty member who teaches in that area.

PROFESSIONAL ELECTIVES:

Professional electives are 18 credits (six 3 credit courses) from outside the TMD Department that will help a student professionally. Three of the courses (9 credits) must be taken from the same department. If all 18 credits are taken in the same department, a “minor” may be earned (see below).

Choice of professional electives should be made in consultation with the advisor. Courses may be selected from a range of subjects such as business, art, consumer studies, and chemistry. Any 18 credits (at least 9 from the same department) that can be justified as advantageous to a career in the field of Textiles, Fashion Merchandising and Design will fulfill the professional electives requirement.

MINOR FIELD OF STUDY:

Students are encouraged to pursue a minor field of study. 18 credits in one field can be used to establish a minor. Check the specific department’s minor requirements as you begin this process. You must get the approval a) of the department chairperson of the minor field and b) HSS Dean’s Office on a Minor Field of Study form before the last semester prior to graduation.

Minor pursued: _____

Updated 2-~~12~~⁶-19

* Course approved for general education

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

NOTICE OF CHANGE FORM

Notice of Change for: BS in Business Administration

Date: 03/18/2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: NA

College: Business

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

Initiation date: Fall 2019

First degree date: Spring 2020

4. Intended location of the program NA

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

Current: BUS 110

Change: BUS 110 or BUS 113

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

7. Signature of the President

David M. Dooley

BS Business Administration – Program Change Form

Freshman Year: 16 credits in the first semester and 15 credits in the second semester. All students take URI 101 fall semester. BUS 110 or 113 and 111 are taken in alternate semesters, with the balance of credits in general education. Students majoring in global business management are required to complete PSC 116. Students majoring in accounting are required to complete PHL 212.

BUSINESS INSTITUTIONS MAJOR

Business Institutions is a major within the Bachelor of Interdisciplinary Studies (B.I.S.). Students interested in the broad field of business will be interested in this major. This is a fully prescribed program with a specific list of required courses:

BUS 110 Business Computing Applications or CSC 101, Computing Concepts, or BUS 113 Business Computing and Quantitative Analysis

TEXTILE MARKETING:

Freshmen who complete a minimum of 27 credits with an overall grade point average of 3.00 or higher and who complete CSC 101 and MTH 131 (or their equivalents BUS 110, or 113 and 111) with a B or higher will be admitted to the College of Business at the end of the freshman year. Students who have a minimum of 42 credits, a grade point average of 2.40 or higher, and who have successfully (with an average of 2.40 or higher) completed CSC 101, MTH 131, STA 308 (or their equivalents BUS 110 or 113, 111, 210), BUS 201, and ECN 201 after the first semester of the sophomore year will be admitted to the College of Business. Students not meeting these requirements may be eligible to transfer to the textiles, fashion merchandising, and design program.

BUS 211: Managerial Decision Support Systems

LEC: (3 crs.) Methodologies and information technologies that support decision making. Emphasis on the use of PC-based analytical software for solving managerial problems; case studies and group problem solving. (Lec. 3) Pre: BUS 110, and BUS 113 and BUS 210.

BUS 310: Applications of Microcomputer Software in Business

LEC: (3 crs.) In-depth study of microcomputer software used in business applications. Emphasis on spreadsheets, data management, presentation graphics, and communication software. Student projects and microcomputer lab assignments required. (Lec. 3) Pre: BUS 110 or BUS 113.

BUS 355: Operations and Supply Chain Management

LEC: (3 crs.) Operations management problems in global and domestic environments. Operations strategy, service, and manufacturing; forecasting; inventory management; production and material requirements planning; scheduling; just-in-time; and quality management. (Lec. 3/Online) Pre: BUS 110, **or 113** or CSC 101, BUS 210 or STA 308, and junior standing in a degree granting college or permission of instructor.

BUS 356: Business Applications Programming

LEC: (3 crs.) Techniques for the development of business software applications using appropriate hardware platforms and software environments. Emphasis on creation and manipulation of data structures used in business systems. (Lec. 3) Pre: BUS 110 **or BUS 113** and junior standing in a degree granting college.

BUS 459: Management of Quality Control and Improvement

LEC: (3 crs.) Principles of quality management including control charts, process management, and other techniques, with emphasis on the effect of these principles on decision making in various organizations. (Lec. 3) Pre: BUS 110 **or BUS 113** and BUS 211 or BUS 212 or permission of instructor.

BUS 461: Forecasting

LEC: (3 crs.) Forecasting for advanced students in all areas of business administration. Introduction to time series analysis including decomposition of the multiplicative model, exponential smoothing, and ARIMA processes. A variety of software systems are employed, with special emphasis on microcomputer systems. (Lec. 3) Pre: BUS 110 **or BUS 113** and BUS 211 or BUS 212 or permission of instructor.

NOTICE OF CHANGE FORM

Notice of Change for: Marketing Major

Date: February 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Marketing

College: Business

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

Initiation date: Fall 2019

First degree date:

4. Intended location of the program. Kingston, RI

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

The program leads to a BS in Marketing. A major focus of marketing is determining product and service needs of consumers and industries as well as understanding how an organization deals with these marketing issues. The courses required of a marketing major give the student a well-rounded view of consumer and organizational needs.

Change required core courses and add a list of elective students must choose from.

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

7. Signature of the President

David M. Dooley

Course Catalog Marketing

The College of Business offers a curriculum leading to the Bachelor of Science (B.S.) degree with a major in marketing. Elective courses in the department expose students to career opportunities in a variety of fields in marketing. The college also offers the Master of Business Administration (M.B.A.) degree with an opportunity for specialization in marketing and the Doctor of Philosophy (Ph.D) degree.

A major focus of marketing is determining product and service needs of consumers and industries as well as understanding how an organization deals with these marketing issues. The courses required of a marketing major give the student a well-rounded view of consumer and organizational needs.

Students will take the following courses for the major classes:

BUS 365 (3), BUS 366 (3), BUS 367 (3), ~~460 (3)~~, ~~465 (3)~~, ~~467 (3)~~, ~~468 (3)~~, ~~470 (3)~~ and BUS 475 (3).

Students must take four of the following electives:

BUS 460 (3), BUS 465 (3), BUS 467 (3), BUS 468 (3) or BUS 469 (3),

Students must take three credits in BUS at the 300 level or above.

A total of 120 credits is required for graduation.

University of Rhode Island

College of Business

Marketing (2018)

Student Name _____

Date _____

ID# _____

Advisor _____

First Year

Course	Description	Credit	Grade
URI 101	Traditions and Transformations	1	
BUS 110	Business Computing	3	
BUS 111 (B3)	Business Analysis	3	
ECN 201 (A2)	Micro-Economics	3	
ECN 202 (A2, C1)	Macro-Economics	3	
Language 1 (A3, C2)			
Language 2 (A3, C2)			
Gen Ed or Elective			
Gen Ed or Elective			
Gen Ed or Elective			
Gen Ed or Elective			

Sophomore Year

Course	Description	Credit	Grade
BUS 201	Financial Accounting	3	
BUS 202	Managerial Accounting	3	
BUS 210	Managerial Statistics	3	
BUS 211	Managerial Decision Support Systems	3	
WRT 227 (B1, B2)	Business Communications	3	
BUS 265 or BUS 266	Marketing Principles	3	
Gen Ed or Elective	or Marketing for Social Purposes		
Gen Ed or Elective			
Gen Ed or Elective			
Gen Ed or Elective			

Junior Year

Course	Description	Credit	Grade
BUS 315	Legal Environment of Business	3	
BUS 320	Financial Management	3	
BUS 341	Organizational Behavior	3	
BUS 345	Business in Society	3	
BUS 355	Operations & Supply Chain Management	3	
Gen Ed or Elective	Consumer Behavior or Special Topics		
BUS 366 or 368 G	in Consumer Behavior Grand Challenge	3	
BUS 367	Marketing Research	3	
BUS 390	Junior Career Passport Program	1	
Gen Ed or Elective			
Gen Ed or Elective			

Senior Year

Course	Description	Credit	Grade
BUS 445 (D1)	Strategic Management	3	
Marketing Elective		3	
Marketing Elective		3	
Marketing Elective		3	
Marketing Elective		3	
Professional Elective ²		3	
Gen Ed or Elective		3	
Gen Ed or Elective		3	
Gen Ed or Elective			
Gen Ed or Elective			

Courses in BOLD have prerequisites

Marketing (2018)

GENERAL EDUCATION OUTCOME AUDIT	
	Course
KNOWLEDGE	
A1. STEM	
A2. Social & Behavioral Sciences	ECN 201
A3. Humanities	Language
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	WRT 227
B2. Communicate effectively	WRT227
B3. Mathematical, statistical or computational strategies	BUS 111
B4. Information Literacy	
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	ECN 202
C2. Global responsibilities	Language
C3. Cultural competencies	
INTEGRATE & APPLY	
D1. Ability to synthesize	BUS 445
GRAND CHALLENGE	
G. At least one course approved as a "G" course	
GENERAL EDUCATION CREDIT COUNT	
Course	Credits
ECN 201	3
ECN 202	3
WRT 227	3
BUS 111	3
BUS 445	3
Language	3
Language	3
Total Gen Ed Credits	

General Education Requirements: Students must complete 40 credits of general education courses. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. No more than 3 general education course can have the same course code. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. General education courses may also be used to meet requirements of the major or minor.

Language Requirement: Students satisfy the language requirement by taking two sequential courses in one language. See catalog for further details.

Business Requirements:

1. First semester sophomores who complete a minimum of 42 credits with an overall grade point average of 2.5 or higher and who have a 3.00 or higher average in BUS111, BUS201, BUS210, and ECN201 will be transferred to the College of Business. Students not qualifying after the first semester of their sophomore year must meet the requirements of an overall GPA of 2.5 and a 2.70 or higher average in BUS111, BUS201, BUS202, BUS210, ECN201, and ECN202.
2. **Professional Elective: Any BUS course 300 level or higher**
Students must take four Marketing Electives from the
3. **following courses: BUS**
BUS 445 Prerequisites: BUS 202, 320 or 320H, 341 or 341H, 355, 365 or 365H and 315 or 345
4. BUS 470 Prerequisites: BUS 365 or 365H, and 366 and 367, and either 465 or 467 or 468.

Business majors may use only 3 credits of electives towards an internship

Graduation Requirements:

1. A minimum of 120 credits with an overall GPA of 2.0.
An overall GPA of 2.0 (including all attempts) is mandatory for the eight 300 and 400 level courses required for the Marketing major.
2. Half of the credits (4 courses) in the major must be completed at URI. All courses for the major must be taken at an AACSB accredited business school.

Transfer Credit Requirements:

1. Students who wish to study at another college or university must obtain prior approval from the Dean's office and earn a grade of C or better for the credits to transfer. Students will receive credit on their transcript and not a letter grade.
2. Credit transferred from a community or junior college is limited to half the credits required for the University of Rhode Island degree. For a degree in business, that limit is 60 credits. Junior and senior level business courses are accepted only from colleges that are AACSB accredited. Upper-level business courses taken at an institution not accredited by AACSB or at a two-year institution must be validated by examination. Courses that are not validated will be designated free elective credit. To schedule a waiver exam please contact 401-874-4377.

NOTICE OF CHANGE FORM

Notice of Change for: Minor in Textiles, Fashion Merchandising and Design

Date:

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: TMD

College: Business

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

Initiation date: Fall 2019

First degree date: Spring 2020

4. Intended location of the program

N/A

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

The minor in TMD is currently undefined. We propose to include language in the URI

Catalog for a minor in TMD to allow the inclusion of TMD 103G as a requirement for all such minors.

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

The proposed full language for a minor in TMD is as follows:

Minor in Textiles, Fashion Merchandising and Design

Students declaring a minor in TMD must earn 18 credits, including TMD 103G. At least 12 credits must be at the 200-level or above. At least 9 credits must be earned at URI. Up to 3 credits of internship (TMD 461) can be applied to the minor. Students must meet all appropriate prerequisites. TMD majors have priority for enrollment in high-demand classes. Visit the TMD minor web page (<https://web.uri.edu/tmd/tmd-minor>) for suggested courses in the various TMD specializations.

7. Signature of the President

David M. Dooley

NOTICE OF CHANGE FORM

Notice of Change for: B.S. Degree Plans in the College of Engineering re: General Education flexibility and degree completion

Date: March 5th, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

College: Engineering

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

Initiation date: September 2019

First degree date: December 2019

4. Intended location of the program

Kingston and Narragansett Bay Campuses

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

Given the intended flexibility of the new general education requirements, students can complete 2 outcomes in a single 3 or 4 credit course (and satisfy Grand Challenge requirement as well). Also, the minimum credit total to earn a bachelor's degree is 120 credits. All engineering majors have already covered outcomes A1, A4, B3, and D1 with major and supporting course requirements. In some programs, degree requirements automatically allow students to cover additional outcomes beyond that. In observing the new general education requirements in practice beginning Fall 2016 till the present date, it is clear there are enough course options to make completion of any remaining outcomes and grand challenge overlay possible for our students in a flexible number of credits. In that case, we want to make sure a student can earn the BS degree once they've satisfied all degree requirements but not need to take additional credit to reach a degree total beyond 120.

Students may of course decide to complete their general education requirements any way they like, and will continue to be encouraged to do so, however those who strategize to maximize these options should not be required to take additional credit that fulfills no other requirement expect reaching a credit total beyond 120. It will also reduce the need for unnecessary credit solely for the purpose of achieving a stated total, which can add an unnecessary cost with potentially limited educational value.

Therefore, we propose to permit students to be eligible for degree conferral as long as they meet all degree requirements, as currently defined for the COE in general and each BS program individually, and have earned at least 120 credits.

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

In the College of Engineering's main section of the catalog

Current:

Graduation Requirements: To meet graduation requirements, students enrolled in the COE must satisfactorily complete all courses of the degree program in which they are enrolled and obtain a grade point average of 2.00 or better in all required science, mathematics, and engineering courses (including professional electives). Students are also required to complete a degree audit and an exit interview with the Assistant Dean at least one semester prior to their anticipated graduation date. At the discretion of the dean, students who do not demonstrate satisfactory progress may be required to leave the COE.

New:

Graduation Requirements: To meet graduation requirements, students enrolled in the COE must satisfactorily complete all courses of the degree program in which they are enrolled and obtain a grade point average of 2.00 or better in all required science, mathematics, and engineering courses (including professional electives), **and complete at least 120 credits**. Students are also required to complete a degree audit and an exit interview with the Assistant Dean at least one semester prior to their anticipated graduation date. At the discretion of the dean, students who do not demonstrate satisfactory progress may be required to leave the COE.

7. **Signature of the President**

David M. Dooley

Notice of Change form

Notice of Change for: B.S. Computer Engineering

Date: February 22, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Electrical, Computer, and Biomedical Engineering

College: Engineering

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

Initiation date: Fall 2019

First degree date: May 2020

4. Intended location of the program: Kingston Campus

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

The mathematics component of our current curriculum includes three calculus courses (MTH 141, 142, and 243), advanced engineering math (MTH 362), discrete math (MTH/CSC 447) and probability and statistics (MTH 451). To improve our students' preparation in mathematics we propose removing MTH 362 as a requirement and replacing it by two courses, MTH 215 (linear algebra) and MTH 244 (differential equations). The mathematics department supports this change.

Also, recognizing the intended flexibility of the new general education requirements and the quantity of the requirements already met by required courses in the major, we have modified the appropriate text and footnote so as to not force any student to take unneeded credits beyond 120, the minimum required for BS completion.

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

The computer engineering major: ~~requires 121–124 credits.~~

Freshman Year First semester: 15 credits

CHM 101 (3), 102 (1); ECN 201 (3); EGR 105 (1); MTH 141 (4); and general education outcome(s)₁ (3).

Second semester: 16 credits

EGR 106 (2); MTH 142 (4); PHY 203 (3), 273 (1); and general education outcome(s)₁ (6).

Sophomore Year First semester: 15 credits

ELE 201 (3), 202 (1), 208 (3), 209 (1); MTH ~~244~~ 362 (3); and PHY 204 (3), 274 (1).

Second semester: 15 credits

CSC 211 (4); ELE 212 (4), 215 (1); MTH 243 (3); and general education outcome(s)₁ (3).

Junior Year First semester: 17 credits

CSC 212 (4); ELE 313 (3), 338 (3), 339 (1); **MTH 215 (3)**; and MTH/CSC 447 (3).

Second semester: 16 credits

ELE 301 (3), 302 (1), 305 (3); MTH 451 (3); and general education outcome(s)₁ (6).

Senior Year First semester: 14–15 credits

ELE 400 (1), 405 (3), 406 (1), 437 (3), 480 (3) **[capstone]**; and approved professional elective₂ (3–4).

Second semester: 13–15 credits

ELE 408 (3), 409 (1), 481 (3) **[capstone]**; two approved professional elective₂ (6–8)

₁ *General Education Outcomes (A1-D1)*: if all outcomes are satisfied in fewer spaces than provided, you must take a course(s) of your choice (Free Elective) ~~to fill each remaining space in order to meet the required earned credit total~~ **of to ensure that you have earned at least 120 credits to complete** your degree plan. A complete detailing of these requirements are listed in the college's curriculum requirements section of this catalog.

₂ *Professional Elective Requirements*: Three (3) courses from the following: BME/ELE 461; BME 464/465; CSC 301, 305, 402, 406, 412, 415, 436, 481; CSF 410, 412; any ELE 300-, or 400-level course not required by the CPE major; **with prior approval** of the electrical, computer, and biomedical engineering department chairperson, any ELE 500-level course.

7. Signature of the President

David M. Dooley

COMPUTER ENGINEERING - Class of 2023 (DRAFT)

Total Credits = **121 -124**

Freshman Year *Fall* Semester

Course Code	Description	Cr	
CHM 101	General Chemistry Lec I (A1)	3	
CHM 102	General Chemistry I Lab	1	
ECN 201	Principles of Microeconomics (A2)	3	
EGR 105	Foundations of Engineering I (A4)	1	
MTH 141 +	Calculus I (A1, B3)	4	
	General Education Outcome(s)*	3	

15

Freshman Year *Spring* Semester

Course Code	Description	Cr	
EGR 106	Foundations of Engineering II (A4)	2	
MTH 142 +	Calculus II (A1, B3)	4	
PHY 203	Elementary Physics I (A1)	3	
PHY 273	Elementary Physics Lab I (A1)	1	
	General Education Outcome(s)*	3	
	General Education Outcome(s)*	3	

16

Sophomore Year *Fall* Semester

Course Code	Description	Cr	
ELE 201	Digital Circuits Design	3	
ELE 202	Digital Circuits Design Lab	1	
ELE 208	Intro to Computer Systems	3	
ELE 209	Intro to Computer Systems Lab	1	
MTH 244	Differential Equations	3	
PHY 204	Elementary Physics II (A1)	3	
PHY 274	Elementary Physics Lab II (A1)	1	

15

Sophomore Year *Spring* Semester

Course Code	Description	Cr	
CSC 211	Intro Programming and Design	4	
ELE 212 +	Linear Circuit Theory	4	
ELE 215	Linear Circuits Lab	1	
MTH 243 +	Calculus for Functions of Several Vars (A1, B3)	3	
	General Education Outcome(s)*	3	

15

Admission to the COE required for enrollment in "300" level and higher COE courses. Admission requires at least a 2.0 cumulative GPA and a C- or higher in each of the following: EGR 105 & 106, CHM 101/102, MTH 141 & 142, PHY 203/273, and either PHY 204/274 or CHM 112/114

Junior Year *Fall* Semester

Course Code	Description	Cr	
CSC 212 +	Data Structures and Abstractions	4	
ELE 313 +	Linear Systems	3	
ELE 338 +	Electronics I	3	
ELE 339	Electronics I Lab	1	
MTH 215	Introduction to Linear Algebra	3	
MTH/CSC 447	Discrete Mathematical Structures	3	

17

Junior Year *Spring* Semester

Course Code	Description	Cr	
ELE 301	Digital Design with FPGAs	3	
ELE 302	Digital Design with FPGAs Lab	1	
ELE 305	Intro to Computer Architecture	3	
MTH 451	Intro to Probability and Statistics	3	
	General Education Outcome(s)*	3	
	General Education Outcome(s)*	3	

16

Senior Year *Fall* Semester

Course Code	Description	Cr	
ELE 400	Intro to Professional Practice	1	
ELE 405	Digital Computer Design	3	
ELE 406	Digital Computer Design Lab	1	
ELE 437	Introduction to Computer Networks	3	
ELE 480 +	Capstone Design I (D1)	3	
	Professional Elective**	3-4	

14 -15

Senior Year *Spring* Semester

Course Code	Description	Cr	
ELE 408	Embedded System Design	3	
ELE 409	Embedded System Design Lab	1	
ELE 481 +	Capstone Design II	3	
	Professional Elective**	3-4	
	Professional Elective**	3-4	

13 -15

***General Education Outcomes:** if all Outcomes are satisfied in fewer spaces than provided, you must take a course(s) of your choice (Free Elective) to fill each remaining space in order to ensure that you have earned at least 120 credits to complete your degree plan. See the "General Education Outcomes" section at the bottom of page two for more information on satisfying these requirements.

****Professional Electives:** *Three (3)* courses from the following: BME/ELE 461, BME 464/465; CSC 301, 305, 402, 406, 412, 415, 436, 481; CSF 410, 412; any ELE 300-, or 400-level course not required by the CPE major; *with prior approval* of the Electrical, Computer, and Biomedical Engineering (ECBE) department chairperson, any ELE 500-level course.

+ Course prerequisites include grade requirements in previous coursework, see catalog or eCampus course description for details

Notice of Change form

Notice of Change for: B.S. Electrical Engineering

Date: February 22, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Electrical, Computer, and Biomedical Engineering

College: Engineering

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

Initiation date: Fall 2019

First degree date: May 2020

4. Intended location of the program: Kingston Campus

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

The mathematics component of our current curriculum includes three calculus courses (MTH 141, 142, and 243), advanced engineering math (MTH 362), and a course on probability and statistics (MTH 451 or ISE 311). To improve our students' preparation in mathematics we propose removing MTH 362 as a requirement and replacing it by two courses, MTH 215 (linear algebra) and MTH 244 (differential equations). The mathematics department supports this change.

We are removing ELE 331 Introduction to Solid State Devices from the requirements.

We are concurrently updating a current course that is applicable as a "professional elective" (423/424) and reflecting that newly expected corresponding lab credit in the list of permissible options

Finally, recognizing the intended flexibility of the new general education requirements and the quantity of the requirements already met by required courses in the major, we have modified the appropriate text and footnote so as to not force any student to take unneeded credits beyond 120, the minimum required for BS completion.

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

The electrical engineering major: ~~requires 120-123~~

Freshman Year First semester: 15 credits

CHM 101 (3), 102 (1); ECN 201 (3); EGR 105 (1); MTH 141 (4); and general education outcome(s)₁ (3).

Second semester: 15 credits

CSC 200 (4); EGR 106 (2); ELE 101 (1); MTH 142 (4); and PHY 203 (3), 273 (1).

Sophomore Year First semester: 17 credits

ELE 201 (3), 202 (1); MTH ~~244~~ ~~362~~ (3); PHY 204 (3), 274 (1); and general education outcome(s)₁ (6).

Second semester: 15 credits

ELE 205 (2), 206 (1), 212 (4), 215 (1); MTH 243 (3); and PHY 205 (3), 275 (1).

Junior Year First semester: ~~14~~ **16** credits

ELE 313 (3), ~~331~~ ~~(4)~~, 338 (3), 339 (1); MTH **215 (3)**, 451 (3) or ISE 311 (3); **and general education outcome(s)₁ (3).**

Second semester: 15 credits

ELE 301 (3), 302 (1), 314 (3), 322 (4), 343 (3), 344 (1).

Senior Year First semester: 14-16 credits

ELE 400 (1), 480 (3) **[capstone] – (see note)**

Second semester: 15-16 credits

ELE 481 (3) **[capstone] – (see note)**

Note: Senior Year total credits for two (2) semesters: 29–32. See your advisor for help in preparing a suitable program. **Required courses:** professional elective₂ (4); professional electives₂ (9-12); general education outcome(s)₁(9).

₁*General Education Outcomes (A1-D1):* if all outcomes are satisfied in fewer spaces than provided, you must take a course(s) of your choice (Free Elective) ~~to fill each remaining space in order to meet the required earned credit total~~ **of to ensure that you have earned at least 120 credits to complete** your degree plan. A complete detailing of these requirements are listed in the college's curriculum requirements section of this catalog.

₂*Professional Elective Requirements:* Four (4) courses that satisfy **both** of the following:

(a) Three (3) courses from: ELE 401/402, 423/~~424~~, 425, 432, 435/436, 444/445, 447/448, 456, 457, 458/459,

and at least one (1) must be from: 401/402, 423/~~424~~, 432, 444/445, 447/448;

and at least one (1) must include a lab component (401/402, 435/436, 444/445, 447/448, 458/459).

(b) The fourth course must be from: an additional course **from (a) above**; BME/ELE 461; ELE 405/406, 408/409, 437, 438, 470; **with prior approval** of the electrical, computer, and biomedical engineering department chairperson, any other 300-, or 400-level College of Engineering course not required by the ELE major.

7. Signature of the President

David M. Dooley

From: James Baglama jbaglama@uri.edu
Subject: Re: changes in MTH requirements for ECBE
Date: February 11, 2019 at 1:52 PM

To: Peter Swaszek swaszek@uri.edu

Cc: Jared B Abdirkin jabdirkin@mail.uri.edu, Richard J Vaccaro vaccaro@uri.edu, Vasilije Perovic perovic@uri.edu, Nancy Eaton neaton@uri.edu

JB

Dear Peter,

The math department supports the changes. We will modify the Fall schedule to accommodate the change and increase in the MTH244 enrollment.

Best,
Jim

James Baglama
Professor and Chair
Department of Mathematics
University of Rhode Island
jbaglame@uri.edu
<http://www.math.uri.edu/~jbaglame>
Phone: 401-874-2709
Fax: 401-874-4454

On Feb 11, 2019, at 11:53 AM, Peter Swaszek <swaszek@uri.edu> wrote:

Jim

As we discussed today, the Electrical, Computer, and Biomedical Engineering programs would like to modify their curricula, dropping MTH 362 and adding MTH 244 and MTH 215.

Nominally our students take 362 in the Fall (although some are delayed until spring) of the sophomore year; in the future we would ask them to take 244 during the same Fall semester, and then 215 sometime in the junior year.

I hope that the Math Department can accommodate our changed needs.

Peter

Peter F. Swaszek, Professor
Dept. Electrical, Computer, and Biomedical Engineering
University of Rhode Island
swaszek@uri.edu
(401) 874-5802

ELECTRICAL ENGINEERING - Class of 2023 (DRAFT)

Total Credits = **122 -125**

Freshman Year *Fall* Semester

Course Code	Description	Cr	
CHM 101	General Chemistry Lec I (A1)	3	
CHM 102	General Chemistry I Lab	1	
ECN 201	Principles of Microeconomics (A2)	3	
EGR 105	Foundations of Engineering I (A4)	1	
MTH 141 +	Calculus I (A1, B3)	4	
	General Education Outcome(s)*	3	

15

Freshman Year *Spring* Semester

Course Code	Description	Cr	
CSC 200	Computer Problem Solving	4	
EGR 106	Foundations of Engineering II (A4)	2	
ELE 101	Intro to Electrical Engineering	1	
MTH 142 +	Calculus II (A1, B3)	4	
PHY 203	Elementary Physics I (A1)	3	
PHY 273	Elementary Physics Lab I (A1)	1	

15

Sophomore Year *Fall* Semester

Course Code	Description	Cr	
ELE 201	Digital Circuit Design	3	
ELE 202	Digital Circuit Design Lab	1	
MTH 244	Differential Equations	3	
PHY 204	Elementary Physics II (A1)	3	
PHY 274	Elementary Physics Lab II (A1)	1	
	General Education Outcome(s)*	3	
	General Education Outcome(s)*	3	

17

Sophomore Year *Spring* Semester

Course Code	Description	Cr	
ELE 205	Microprocessors	2	
ELE 206	Microprocessor Lab	1	
ELE 212 +	Linear Circuit Theory	4	
ELE 215	Linear Circuits Lab	1	
MTH 243 +	Calculus for Functions of Several Vars (A1, B3)	3	
PHY 205	Elementary Physics III Lec (A1, B3)	3	
PHY 275	Elementary Physics III Lab (A1, B3)	1	

15

Admission to the COE required for enrollment in "300" level and higher COE courses. Admission requires at least a 2.0 cumulative GPA and a C- or higher in each of the following: EGR 105 & 106, CHM 101/102, MTH 141 & 142, PHY 203/273, and either PHY 204/274 or CHM 112/114

Junior Year *Fall* Semester

Course Code	Description	Cr	
ELE 313 +	Linear Systems	3	
ELE 338 +	Electronics I	3	
ELE 339	Electronics I Lab	1	
MTH 215	Introduction to Linear Algebra	3	
MTH 451 <i>or</i> ISE 311	Intro to Probability and Statistics <i>or</i> Probability and Statistics for Engineers	3	
	General Education Outcome(s)*	3	

16

Junior Year *Spring* Semester

Course Code	Description	Cr	
ELE 301	Digital Design with FPGAs	3	
ELE 302	Digital Design with FPGAs Lab	1	
ELE 314	Linear Systems and Signals	3	
ELE 322	Electromagnetic Fields I	4	
ELE 343	Electronics II	3	
ELE 344	Electronics II Lab	1	

15

Senior Year *Fall* Semester

Course Code	Description	Cr	
ELE 400	Intro to Professional Practice	1	
ELE 480 +	Capstone Design I (D1)	3	
	Professional Elective**	4	
	Professional Elective**	3-4	
	Professional Elective**	3-4	

14 -16

Senior Year *Spring* Semester

Course Code	Description	Cr	
ELE 481 +	Capstone Design II	3	
	Professional Elective**	3-4	
	General Education Outcome(s)*	3	
	General Education Outcome(s)*	3	
	General Education Outcome(s)*	3	

15 -16

***General Education Outcomes:** if all Outcomes are satisfied in fewer spaces than provided, you must take a course(s) of your choice (Free Elective) to fill each remaining space in order to ensure you have earned at least 120 credits to complete your degree plan. See the "General Education Outcomes" section at the bottom of page two for more information on satisfying these requirements.

****Professional Electives:** *Four (4)* courses that satisfy *both* of the following:

(a) *Three (3)* courses from: ELE 401/402, 423/424, 425, 432, 435/436, 444/445, 447/448, 456, 457, 458/459,

and at least one (1) must be from: 401/402, 423/424, 432, 444/445, 447/448,

and at least one (1) must include a lab component (401/402, 435/436, 444/445, 447/448, 458/459);

and (b) The *fourth* course must be from: an additional course from (a) *above*; BME/ELE 461; ELE 405/406, 408/409, 437, 438, 470; with prior approval of the Electrical, Computer, and Biomedical Engineering department chairperson, any other 300- or 400-level College of Engineering course not required by the ELE major.

Notice of Change form

Notice of Change for: B.S. Ocean Engineering

Date: February 6, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Ocean Engineering

College: Engineering

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

Initiation date: Fall 2019

First degree date: May 2021

4. Intended location of the program: Narragansett Bay Campus

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

The following changes are being proposed for the undergraduate ocean engineering program:

Sophomore year, spring semester

- the number of credits for OCE 206 (Ocean Measurements and Instrumentation) is reduced from 4 to 3 credits.
- a general education slot is replaced with OCE 213 (Computer Programming for Ocean Engineers)
- the number of credits this semester decreases from 16 to 15 credits.

Junior year, fall semester

- a new, 1-credit lab course, OCE 315 (Hydrodynamics for Ocean Engineers), is added.
- OCE 310 (Basic Ocean Measurement) is removed.
- ISE 311 (Probability and Statistics for Engineers) is added.

- A technical elective course is added. This elective consists of either CVE 354 (Structural Engineering), OCE 360 (Robotic Ocean Instrumentation Design), or MCE 341 (Fundamentals of Thermodynamics).
- Update footnote “2” to reflect at least two (2) of the professional and technical electives must be “OCE” courses
- The number of credits this semester increases from 16 to 17.

Junior year, spring semester

- A professional elective is replaced with OCE 394 (Design Applications in Ocean Engineering).
- The number of credits is unchanged at 18.

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

The [ocean engineering major](#) requires 126 credits.

Freshman Year First semester: 16 credits

CHM 101 (3), 102 (1); EGR 105 (1); MTH 141 (4); PHY 203 (3), 273 (1); and general education outcome(s)¹ (3).

Second semester: 17 credits

ECN 201 (3); EGR 106 (2); MTH 142 (4); OCE 101 (1); PHY 204 (3), 274 (1); and general education outcome(s)¹ (3).

Sophomore Year First semester: 14 credits

MCE 262 (3); MTH 243 (3); OCE 205 (4); and PHY 205 (3), 275 (1).

Second semester: ~~16~~ 15 credits

CVE 220 (3); MCE 263 (3); MTH 244 (3); OCE 206 (~~43~~); OCE 213 (3) and general education outcome(s)¹ (~~3~~).

Junior Year First semester: ~~16~~ 17 credits

ISE 311 (3); MCE 354 (3); OCE 301 (4), ~~310 (3)~~; 315 (1); professional technical elective²⁴ (3); and general education outcome(s)¹ (3).

Second semester: 18 credits

OCE 311 (4), 394 (3); 408 (4), 471 (4); ~~professional elective² (3)~~; and general education outcome(s)¹ (3).

Senior Year First semester: 14 credits

OCE 416 (2), 421 (3), 495³ (3) [**capstone**]; CHE 333 (3); and professional elective² (3).

Second semester: 15 credits

OCE 496³ (3) [**capstone**]; OCG 451 (3), professional electives² (6); and general education outcome(s)¹ (3).

¹*General Education Outcomes (A1-D1):* if all outcomes are satisfied in fewer spaces than provided, you must take a course of your choice (Free Elective) to fill each remaining space in order to meet the required earned credit total of your degree plan. A complete detailing of these requirements are listed in the [college's curriculum requirements section](#) of this catalog.

²*Professional Elective Requirements:* Any 300-, 400-, or 500-level courses in engineering, MTH, OCG, or PHY. **A minimum of two (2) courses from the professional and technical electives must be in OCE courses.**

³*OCE 495 and OCE 496:* An approved off-campus experience, usually between the junior and senior years, can be substituted for OCE 495 and 496.

⁴*Technical Elective Requirement:* Choose one from CVE 354 (Structural Engineering), OCE 360 (Robotic Ocean Instrumentation Design), or MCE 341 (Fundamentals of Thermodynamics)

OCEAN ENGINEERING - Class of 2023 (DRAFT)

Total Credits = **126**

Freshman Year Fall Semester

Course Code	Description	Cr	
CHM 101	General Chemistry Lec I (A1)	3	
CHM 102	General Chem I Lab	1	
EGR 105	Foundations of Engineering I (A4)	1	
MTH 141 +	Calculus I (A1, B3)	4	
PHY 203	Elementary Physics I (A1)	3	
PHY 273	Elementary Physics Lab I (A1)	1	
	General Education Outcome(s)*	3	
		16	

Freshman Year Spring Semester

Course Code	Description	Cr	
ECN 201	Principles of Microeconomics (A2)	3	
EGR 106	Foundations of Engineering II (A4)	2	
MTH 142 +	Calculus II (A1, B3)	4	
OCE 101	Intro to Ocean Engineering	1	
PHY 204	Elementary Physics II (A1)	3	
PHY 274	Elementary Physics Lab II (A1)	1	
	General Education Outcome(s)*	3	
		17	

Sophomore Year Fall Semester

Course Code	Description	Cr	
MCE 262	Statics	3	
MTH 243 +	Calculus for Functions of Several Vars (A1, B3)	3	
OCE 205	Ocean Engineering Design Tools	4	
PHY 205	Elementary Physics III Lec (A1, B3)	3	
PHY 275	Elementary Physics III Lab (A1, B3)	1	
		14	

Sophomore Year Spring Semester

Course Code	Description	Cr	
CVE 220	Mechanics of Materials	3	
MCE 263	Dynamics	3	
MTH 244	Differential Equations	3	
OCE 206	Ocean Measurements & Instrumentation	<u>4</u> 3	
<u>OCE 213</u>	<u>Computer Programming for Ocean Engineers</u> <u>General Education Outcome(s)*</u>	3	
		14 15	

Admission to the COE required for enrollment in "300" level and higher COE courses. Admission requires at least a 2.0 cumulative GPA and a C- or higher in each of the following; EGR 105 & 106, CHM 101/102, MTH 141 & 142, PHY 203/273, and either PHY 204/274 or CHM 112/114

Junior Year Fall Semester

Course Code	Description	Cr	
	<u>Technical Elective****</u>	<u>3</u>	
MCE 354	Fluid Mechanics	3	
OCE 301	Fundamentals of Ocean Mechanics	4	
OCE 310	Basic Ocean Measurement	3	
<u>OCE 315</u>	<u>Hydrodynamics for Ocean Engineers</u>	<u>1</u>	
<u>ISE 311</u>	<u>Professional Elective** Probability and Statistics for Engineers</u>	3	
	General Education Outcome(s)*	3	
		16 17	

Junior Year Spring Semester

Course Code	Description	Cr	
<u>OCE 394</u>	<u>Design Applications in Ocean Engineering</u>	<u>3</u>	
OCE 311	Coastal Measurements and Applications	4	
OCE 408	Intro to Engineering Wave Mechanics and Littoral Processes	4	
OCE 471	Underwater Acoustics	4	
	<u>Professional Elective**</u>	<u>3</u>	
	General Education Outcome(s)*	3	
		18	

Senior Year *Fall* Semester

Course Code	Description	Cr	
CHE 333	Engineering Materials	3	
OCE 416	OCE Professional Practice	2	
OCE 421	Coastal Structure Design	3	
OCE 495	Ocean Systems Design Project I***	3	
	Professional Elective**	3	
		14	

Senior Year *Spring* Semester

Course Code	Description	Cr	
OCE 496	Ocean Systems Design Project II (B2, D1)***	3	
OCG 451	Oceanographic Science	3	
	Professional Elective**	3	
	Professional Elective**	3	
	General Education Outcome(s)*	3	
		15	

***General Education Outcomes:** if all Outcomes are satisfied in fewer spaces than provided, you must take a course of your choice (Free Elective) to fill each remaining space in order to meet the required earned credit total of your degree plan. See the "General Education Outcomes" section at the bottom of page two for more information on satisfying these requirements.

****Professional Electives:** Any 300-, 400-, or 500-level courses in engineering, MTH, PHY, or OCG. *A minimum of two (2) courses from the professional and technical electives must be OCE courses.*
~~in OCE.~~

*****OCE 495 and OCE 496:** An *approved* off-campus experience, usually between the junior and senior years, can be substituted for OCE 495 and 496.

+ Course prerequisites include grade requirements in previous coursework, see catalog or eCampus course description for details

******Technical Elective:** Either OCE 354 (Structural Engineering), OCE 360 (Robotic Ocean Instrumentation Design), or MCE 341 (Fundamentals of Thermodynamics)

7. Signature of the President

David M. Dooley

NOTICE OF CHANGE FORM

Notice of Change for: Robotics Engineering Minor

Date: March 6, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department:
College: Engineering

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

Initiation date: Fall 2019
First degree date: May 2020

4. Intended location of the program

Kingston Campus

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

A new course, ELE/MCE/OCE 456, Foundations of Robotics, has been added to the list of required courses for all three Options of the Robotics Engineering Minor. Previously the minor had three required courses and three elective courses for each option. With this change, each option now has four required courses and two elective courses.

Also adding a notation to indicate MCE 366 (MCE BS degree requirement) cannot be used toward satisfaction of the minor for MCE majors

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

Any engineering major may declare a "minor in robotics engineering" field of study, which will be listed on the student's academic record after graduation. Requirements may be satisfied by completing 18 credit

hours. Students must complete one of the following options, as well as an additional **two** courses (**6** credits) from the list of supporting courses. The choice of option is not restricted by major.

Application for the engineering minor must be filed in the Engineering Dean's Office at least one semester prior to expected graduation. Forms must be signed by the coordinator for the chosen option and the chair of the students department, and then brought to the College of Engineering Dean's Office for formal declaration and inclusion in the student's file. Students are responsible for meeting the prerequisite requirements for individual courses, as applicable.

Required Courses

The course requirements for **Option 1: Ocean Engineering Focus** are as follows:
OCE360, OCE467, MTH215, **OCE 456**

The course requirements for **Option 2: Mechanical Engineering Focus** are as follows:
MCE431, MCE433, MTH215, **MCE 456**

The course requirements for **Option 3: Electrical Engineering Focus** are as follows:
ELE458/459, ELE470, MTH215, **ELE 456**

In addition to the required courses from the selected focus, at least **6 additional credits** must be earned from the following **supporting courses**. With prior approval, supporting courses may be substituted with appropriate other courses including special projects.

ELE205/206*, ELE458/459, ELE470, ELE583, MCE366**, MCE 431, MCE433, MCE530, MCE566, OCE360, OCE467, OCE516, OCE562, OCG555

*may not be counted toward minor requirements for ELE majors

****may not be counted toward minor requirements for MCE majors**

7. Signature of the President

David M. Dooley

COLLEGE OF ENGINEERING

- Any engineering major may declare a “Minor in Robotics Engineering” field of study, which will be listed on the student’s academic record after graduation. Requirements may be satisfied by completing 18 credit hours. Student must complete one of the following options, as well as an **additional two courses (6 credits)** from the list of supporting courses. Major does not restrict the choice of option.

Option 1, Ocean Engineering Focus: (12 credits)

Linear Algebra (MTH 215)

Foundations of Robotics (ELE/MCE/OCE 456) (offered Fall semester)

Robotic Ocean Instrumentation Design (OCE360)

Design of Remotely Operated Vehicles (OCE467)

Option 2, Mechanical Engineering Focus: (12 credits)

Linear Algebra (MTH 215)

Foundations of Robotics (ELE/MCE/OCE 456) (offered Fall semester)**Control Systems (MCE431)**

Mechatronics (MCE433)

Option 3, Electrical Engineering Focus: (12 credits)

Linear Algebra (MTH 215)

Foundations of Robotics (ELE/MCE/OCE 456) (offered Fall Semester)

Digital Control Systems & Lab (ELE 458/459)

Mobile Computing (ELE 470)

Supporting Courses: (Choose 2 other courses - 6 credits total.)

Offered during a typical Fall semester		
Electrical	Mobile Computing	ELE470
Mechanical	Mechatronics	MCE433
Ocean	Robotic Ocean Instrumentation Design	OCE360
	Hydrodynamics	EGR515

Offered during a typical Spring semester		
Electrical	Microprocessors	*ELE205/206
	Digital Control Systems & Lab	ELE458/459
	Computer Vision	ELE583
Mechanical	System Dynamics	**MCE366
	Control Systems	MCE431
	Real-Time Monitoring and Control	MCE530
	The Mechanics of Robot Manipulators	MCE566
Ocean	Design of Remotely Operated Vehicles	OCE467
	Biomimetrics in Ocean Engineering	OCE516
	Modeling, Simulation, and Control of Marine Vehicles	OCE562
Oceanography	Modern Oceanographic Imaging and Mapping Technique	OCG555

*may not be counted toward minor requirements for ELE majors

****may not be counted toward minor requirements for MCE majors**

- With prior approval, supporting courses may be substituted with appropriate other courses including special projects.
- Application for the robotics engineering minor must be filed in the Engineering Dean’s Office any time before graduation.

Name: _____ Student ID #: _____

Major: _____ Intended Graduation Date: _____

Name of Minor: Robotics Engineering
Focus Area (select one): Ocean / Mechanical / Electrical

Course Number	Course Title	#Credits	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Ocean, Mechanical, or Electrical Engineering Robotics Program Coordinator Signature

Date

Departmental Chairperson Signature

Date

Dean's Signature

Date

Program Coordinators

Mechanical Engineering Focus

Musa Jouaneh, Professor

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Industrial, and Systems Engineering
University of Rhode Island

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Ocean Engineering Focus

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Electrical Engineering Focus

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Biomedical Engineering
University of Rhode Island

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email: vaccaro@ele.uri.edu

Notice of Change form

Notice of Change for: Criminology & Criminal Justice

Date: March 6th, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Criminology & Criminal Justice

College: Arts & Sciences

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

Initiation date: Fall 2019

First degree date: N/A

4. Intended location of the program

Kingston Campus

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

With the creation of new courses in Criminology & Criminal Justice and participating departments, it is necessary to update the catalog language. These changes are meant to provide more course options for students in the major and to also include more specific language about the requirements within the program.

PSC 334 (Government Powers and the Law) was approved by the CSC and Faculty Senate in September 2018. Support was included for this course by CCJ, including the addition of this course as an elective for CCJ majors. It will be taught for the first time in Fall 2019.

CCJ 333 (Ethics in Criminal Justice) is being proposed as a new course (included in this package) and will be included as an elective for CCJ majors. This course was previously taught as SOC 300 (Topics in Sociology) during Fall 2017 and Spring 2018.

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

Existing (2018-2019 Catalog):

The program requires 30-49 credits in the major including CCJ/SOC 230, CCJ/SOC/PSC 274(H), and CCJ/PSC/SOC 476. Students must select one research methods course from the following: ECN 306, PSC 310, PSY 200, or SOC 440 (301). If students are double majors with ECN, PSC, PSY, or SOC, this course will be accepted for the CCJ major, but the credits will need to be made up with an additional elective. Students are required to take six elective courses selected from the following two areas: *criminology electives* – GWS 365, 370, 401; PSY 254, 466; SOC 300 (when relevant), 370, 403, 410, 420, 450; *criminal justice electives* – CHM 391, 392; PSC 371, 388, 472; PSY 465; SOC 300 (when relevant), 330, 331, 332, 403, 410. At least two courses must be taken from each elective area and no more than four courses can be taken in either area.

When appropriate, and by permission of the Program Director, students may substitute Internship credit (SOC 477, PSC 375/376, PSY 305, or GWS 300) or Independent Study credit (SOC 498/499, PSC 455/456, PSY 489, or GWS 450) for one of their elective courses listed above. No more than 3 credits may be used toward the major from Internship or Independent Study.

A total of 120 credits is required for graduation. At least 42 of these credits must be in courses at the 300-level or above. In order to transfer into the criminology & criminal justice B.A. program from University College for Academic Success, a student must have completed at least 24 credits and have earned a minimum of a 2.0 GPA.

Proposed (2019-2020 Catalog):

The program requires 30-49 credits in the major including CCJ/SOC 230, CCJ/SOC/PSC 274(H), and CCJ/PSC/SOC 476. Students must select one research methods course from the following: ECN 306, PSC 310, PSY 200, or SOC 440 (301). If students are double majors with ECN, PSC, PSY, or SOC, this course will be accepted for the CCJ major, but the credits will need to be made up with an additional elective. Students are required to take six elective courses selected from the following two areas: *criminology electives* – GWS 365, 370, 401; PSY 254, 466; SOC 300 (approved topics), 370, 403, 410, 420, 450; *criminal justice electives* – CCJ 333; CHM 391 (must be repeated for a total of 3 credits), 392; PSC 334, 371, 388, 472; PSY 465; SOC 300 (approved topics), 330, 331, 332, 403, 410. At least two courses must be taken from each elective area and no more than four courses can be taken in either area. All electives must be a minimum of 3 credits.

When appropriate, and by permission of the Program Director, students may substitute Internship credit (SOC 477, PSC 375/376, PSY 305, or GWS 300) or Independent Study credit (SOC 498/499, PSC 455/456, PSY 489, or GWS 450) for one of their elective courses listed above. No more than 3 credits may be used toward the major from Internship or Independent Study.

A total of 120 credits is required for graduation. At least 42 of these credits must be in courses at the 300-level or above. In order to transfer into the criminology & criminal justice B.A. program from University College for Academic Success, a student must have completed at least 24 credits and have earned a minimum of a 2.0 GPA.

7. Signature of the President

David M. Dooley

ABOUT THE CRIMINOLOGY & CRIMINAL JUSTICE BA DEGREE:

The interdisciplinary program in Criminology and Criminal Justice combines courses from six participating departments: Sociology & Anthropology, Political Science, Psychology, Gender & Women's Studies, Economics, and Chemistry, to provide students with a wide-range of course options. Departments will contribute courses in sociology, law and the legal system, behavioral psychology, human trafficking, forensics/criminalistics and more to help students tailor their coursework based on their areas of interest, as well as educational and professional goals.

STEP 1:

Major Requirements:

Course	Semester	Credits	Grade
CCJ/SOC 230*		3	
CCJ/PSC/SOC 274(H)		3	
CCJ/PSC/SOC 476		3	
Research course selected from: ECN 306, PSC 310, PSY 200, or SOC 440 (301)			
		3-4	
Choose 6 courses from the following two areas: <i>Criminology-</i> GWS 365, 370, 401; PSY 254, 466; SOC 300, 370, 403, 410, 420, 450 <i>CCJ 333; 334,</i> <i>Criminal Justice-</i> CHM 391, 392; PSC 371, 388, 472; PSY 465; SOC 300, 330, 331, 332, 403, 410			
At least two courses and no more than four must be taken in each area. <i>All electives must be a minimum of 3 credits.</i>			
		3-4	
		3-4	
		3-4	
		3-4	
		3-4	
		3-4	

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

When appropriate and with permission of the program director, students may substitute Internship or Independent Study credit for one of their elective courses. No more than 3 credits may be used toward the major from Internship or Independent Study.

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

Current

ABOUT THE CRIMINOLOGY & CRIMINAL JUSTICE BA DEGREE:

The interdisciplinary program in Criminology and Criminal Justice combines courses from six participating departments: Sociology & Anthropology, Political Science, Psychology, Gender & Women's Studies, Economics, and Chemistry, to provide students with a wide-range of course options. Departments will contribute courses in sociology, law and the legal system, behavioral psychology, human trafficking, forensics/criminalistics and more to help students tailor their coursework based on their areas of interest, as well as educational and professional goals.

STEP 1:

Major Requirements:

Course	Semester	Credits	Grade
CCJ/SOC 230*		3	
CCJ/PSC/SOC 274(H)		3	
CCJ/PSC/SOC 476		3	
Research course selected from: ECN 306, PSC 310, PSY 200, or SOC 440 (301)			
		3-4	
Choose 6 courses from the following two areas: <i>Criminology-</i> GWS 365, 370, 401; PSY 254, 466; SOC 300, 370, 403, 410, 420, 450 <i>Criminal Justice-</i> CHM 391, 392; PSC 371, 388, 472; PSY 465; SOC 300, 330, 331, 332, 403, 410			
At least two courses and no more than four must be taken in each area.			
		3-4	
		3-4	
		3-4	
		3-4	
		3-4	
		3-4	

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

When appropriate and with permission of the program director, students may substitute Internship or Independent Study credit for one of their elective courses. No more than 3 credits may be used toward the major from Internship or Independent Study.

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

Notice of Change form

Notice of Change for: Curriculum requirements for B.A. in Philosophy

Date: 02/07/2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Philosophy

College: Art and Sciences

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

Initiation date: Fall 2019

First degree date: Spring 2023

4. Intended location of the program

Kingston Campus

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

The Department of Philosophy offers a Bachelor of Arts degree. The degree requires 33-48 credits in the major. Philosophy majors must complete no less than 33 credits (maximum 48 credits) in philosophy. Program Requirements include: PHL 205; at least one of PHL 101 or PHL 451 (logic); at least one of PHL 212, 314 (ethics); at least one of PHL 341, 342, 452G (analytic philosophy); both PHL 321 and 323 (history); at least one of 318, 324, 346 (European philosophy); and PHL 490 (senior seminar).

At a department meeting we decided to add PHL 451 (recently cross listed with CSC) to the 341, 342, 452G analytic philosophy group and to add PHL 366 (a recently approved new course) to the 318, 324, 346 European philosophy group. The reasons for this are: 1. 366 is

a new course that fits squarely within the European group, 2. 451 fits within the analytic group. 3. By having four or courses within each of these groups and offering them once every two years on a rotating basis, students will have at least one choice from each of these groups every semester making it more likely they can complete their requirements in a timely manner.

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

(Current relevant catalog language below. Only changes are adding each of these courses as indicated, adding the G after 452 which was approved years ago, but somehow the G never made it into the catalogue, adding the recently approved cross listing name of PHL/CSC 451, and adding a note that 451 can be used either to satisfy the Logic requirement or the analytic basket requirement but not both.)

"Students selecting the general option must complete no fewer than 33 credits (maximum 48) in philosophy. Students are required to take PHL 205; at least one from PHL 101, [PHL/CSC 451](#) (logic); at least one from PHL 212, 314 (ethics); at least one from PHL 341, 342, 452G, [PHL/CSC 451](#); both PHL 321 and 323; at least one from PHL 318, 324, 346, [366](#); and PHL 490 [capstone]. NOTE: PHL/CSC 451 may be used to satisfy either the logic requirement or the requirement for a course from 341, 342, 452G, PHL/CSC 451, but NOT both. The remaining nine credits may be chosen freely from the list of PHL courses offered by the department. At least 18 credits in course work must be at the 300 level or above. For this degree, courses taken in RLS will be classified as electives or to fulfill a general education requirement."

7. Signature of the President

David M. Dooley

Notice of Change form

Notice of Change for: International Studies and Diplomacy Program

Date: 2/7/19

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Political Science

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 2019

First degree date: Spring 2021

4. Intended location of the program: Kingston Campus, College of Arts and Sciences

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

The International Studies and Diplomacy program was created by an Act of the Faculty Senate on February 22, 2018 and signed by the president. This Notice of Change proposes several minor changes to the curricular and admissions requirements for the International Studies and Diplomacy program – please see modified catalog language below for further details. These minor changes are intended to correct an oversight in the original proposal (i.e. rectifying the GPA requirement discrepancy between UC and the College) and streamline our admission standards. This Notice of Change also proposes that completion of the program be officially denoted on the student's transcript.

The International Studies and Diplomacy program is a dual, interdependent major program. It is directed by three Arts & Sciences departments -- Languages, Political Science and Economics. Students in the program complete two majors: one in International Studies (33 credits) and another in a related language (30 credits). Students are required to study abroad for at least one semester at an approved international institutional setting. By the end of this program students gain essential knowledge and skills in international politics, economics,

cultures and language. Students choose from one of two tracks, both of which can be combined with a Five-Year program leading to a Master's degree in International Relations. Upon graduation, students are ready for careers in foreign service, diplomacy, international non-governmental organizations and other international careers.

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

Below we include our minor changes to existing URI catalog language pertaining to changes in the GPA requirement for entering the DGC from UC as well as adjustments to our admission requirements for the program.

In addition to the minor curricular and admission revisions, we also request a notation in the "milestones" section in the Official URI Transcript to be noted "Completion of the International Studies and Diplomacy Program, [date]" upon graduation for all students successfully completing the program.

7. Signature of the President

David M. Dooley

INTERNATIONAL STUDIES AND DIPLOMACY

The International Studies and Diplomacy (ISD) program is a dual, interdependent major program with courses across several disciplines. Three Arts & Sciences departments –Languages, Political Science, and Economics – deliver the program, with its administrative home in the Department of Political Science. Students in the program must complete two majors: one in International Studies (33 credits) and another in an approved language (30 credits). As outlined below in detail, to complete the ISD program, students must also study abroad at an approved setting for at least one semester, pass language proficiency benchmarks, and meet GPA requirements. By the end of this program, students will gain essential knowledge and skills in international politics, economics, cultures and language. Upon graduation, students will be ready for careers in Foreign Service, diplomacy, multilateral and non-governmental organizations, and other international careers.

International Studies (B.A.)

Faculty: Associate Professor Johnson, *coordinator Political Science*; Professor McIntyre, *coordinator Economics*

Political Science: Professors Hutchison and Petro; Associate Professor Xu; Assistant Professors Mark, Jomaa, and Rundlett;

Economics: Professor McCray; Assistant Professors Eichacker, Ramnarain, and Vechsuruck; *Anthropology* Associate Professor Garcia-Quijano

International Studies is a cross-disciplinary major that requires 33-48 credits. To become an International Studies major students must first become one of the approved ISD language majors. No student may have International Studies as a single major. No more than 50% of International Studies required credits can come from any one course code. To graduate with an International Studies major, students must remain in the ISD program, which requires students to successfully complete a major in an approved language, meet the ISD language proficiency benchmark, meet minimum GPA requirements and study abroad at an ISD approved setting for at least one semester.

International Studies has three Core areas with the following requirements:

- 1) In the International Relations Core, students must take PSC 116G and PSC 211 and at least one of the following: PSC 300, 320, 321, 322, 350, 377, 415, 421, 408, 416, 417, 422, 431, 434, 435.
- 2) In the International Economics Core, students must take ECN 201, 202, 358 (online study abroad course) and at least one of the following ECN 338, 344, 363.
- 3) In the History, Culture, and Society Core, students must take APG 203.

In addition to the above Core options, any of the following courses may be taken as major electives that count towards the 33 credits: AAF 410; APG 200, 315, 329, 415, 465; COM 361; ECN 305, 306, 381, 390, 445, FLM 451; GWS 401, 430; HIS 333, 374, 375, 376, 377, 379, 382, 384, 385, 388; RLS 221.

Students must take at least one 400-level course from any of the Core or major elective courses.

In order to transfer from University College for Academic Success to the College of Arts and Sciences, ISD students must have completed a minimum of 30 credits with a cumulative GPA of ~~3.00~~2.5 or higher. Once they have met these requirements and been transferred to the College of Arts and Sciences, students will be advised by three faculty coordinators (one from Political Science- who also serves as MA director, one from Economics, and one from Languages).

A total of 120 credits and a cumulative GPA of 2.5 or higher is required for graduation. At least 42 of these credits must be in courses numbered 300 or above.

Language (B.A.)

Students in the ISD program must major in an approved Language from the following existing majors: French, Chinese, Spanish, German, and Italian. Each of the approved languages attached to the ISD program requires 30 credit hours. ISD

students must achieve B2-level (CEFR) or Advanced-Low (ACTFL) language proficiency in their target language to graduate from the ISD program. These are the minimum required language proficiency levels for graduate or professional work in that language. It is recommended that students take LAN 220 during their first or second year.

Study Abroad Required

Study abroad at an approved international institutional setting is a key requirement for the ISD program. ISD students ~~in the 'standard' program will be required to~~ study abroad for at least one semester but a full academic year abroad is recommended. ~~ISD students in the 'intensive' program will study abroad for an academic year.~~ Students must meet the intermediate mid (B1.1) language proficiency level or above prior to study abroad. Upon return from study abroad students must meet the intermediate high (B1.2) language proficiency level or above to remain in the ISD Program.

Admission, Retention and Graduation Requirements

To obtain admission into the ~~Standard~~ ISD Program from High School, students should have a Cumulative GPA of 3.~~2~~3 or above. For existing URI students to obtain entry into the standard ISD program, they must apply by the end of the first semester of their second year, have an overall GPA 3.0 or above and have earned a C+ or above in PSC 116G. Students must also obtain formal consultation and approval from the Section Head of the target language or Department Chair of Languages to ensure that the student is at the appropriate proficiency benchmark in order to achieve advanced low (B2) language proficiency upon completion of the program.

~~To obtain admission into the Intensive ISD Program from High School, students should have a Cumulative GPA of 3.3 or above. For existing URI students to obtain entry into the Intensive ISD program, they must apply by the end of the first semester of their second year and have an overall GPA 3.4 or above and have earned a B+ or above in PSC 116G. Students must also obtain formal consultation and approval from the Section Head of the target language or Department Chair of Languages to ensure that the student is at the appropriate proficiency benchmark in order to achieve advanced low (B2) language proficiency upon completion of the program.~~

Existing ISD students may apply for the accelerated B.A. and M.A. program in their second semester of their third year. To apply, students must have an overall GPA 3.0 or above and an International Studies Major GPA 3.3 or above.

To remain in the program ISD students must maintain an overall GPA 2.5 or above.

To graduate from the ISD program, the Languages Department will certify that students have met the advanced low (B2) language proficiency level or above [or Advanced-Low (ACTFL)]. A copy of the proficiency paperwork must be signed by the Chair of the Department of Modern and Classical Languages or the appropriate section head and presented to the Dean's Office prior to graduation.

Accelerated B.A. & M.A. Program

Graduate degrees are often a requirement for many Foreign Service jobs. ISD students may apply for the Accelerated MA Program in their junior year. Students in this Program will receive the BA in their language and International Studies as well as an M.A. in International Relations. M.A. concentrations include: Diplomacy, International Development, and Global Peace Studies.

NOTICE OF CHANGE FORM

Notice of Change for: The Doctor of Pharmacy Program

Date: March 8, 2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department:

College: Pharmacy

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

Initiation date: Fall 2019 for the PharmD class of 2023

First degree date: May 2023

4. Intended location of the program

Kingston, RI

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

The College of Pharmacy and the Curriculum Committee of the College have considered over the last two years, how best to update the PharmD program. Reasons for the changes include passage of new accreditation standards (ACPE Standards 2016 were released just after our last accreditation process in 2016), need to include updated course material in certain areas of pharmacy based on new evidence favoring new medications for disease treatment, and a reorganization of some existing material to improve student success. Approval of the following changes are requested:

1. Revision of the pharmaceuticals sequence in the first professional year. BPS 301/303/305 are being replaced by BPS 319 and 320. This allows for two 3-credit courses to be sequenced over two semesters vs. the older curriculum which had three 2-credit courses in the first semester of the P1 year.
2. A change in delivery of our self-care classes so that students have their first required self-care course in the Fall of the P1 year. This helps students better understand over-the-counter medications and dietary supplements when they're completing their introductory pharmacy practice experiences (IPPEs). We have taught an existing self-care class in the second professional year which will remain so that the students have two 3-credit self-care classes over two years.

3. A reorganization of the social and administrative science courses to better align topics with the skill set of the student and to allow for reinforcement of important material later in the curriculum. For instance, PHP 316 Pharmacy Law and Ethics is currently delivered in the spring of the P1 year. The content of this course will still largely be taught in the P1 spring, but also included and reinforced in subsequent years. Reviewing pharmacy law content closer to when students need to take their law board exam is important to the students' obtaining their pharmacist licenses.
 4. Addition of new updated material. Some areas of pharmacotherapeutics have seen a dramatic increase in drugs made from biologic processes that affect the immune system. For instance, ten years ago there were approximately 40 immuno-suppressant drugs available and today there are more than 80 on the market. Changing the existing course PHP/BPS 311 to PHP/BPS 415 with an additional credit, will allow for needed content for the treatment of auto-immune diseases and the prevention of graft rejection for patients with solid organ grafts. This latter topic wasn't addressed in our previous curriculum.
 5. With our updated curriculum, which will likely continue with additional change next year, we are committed to offering courses in a time and space efficient manner. This means we are moving away from many small 2-credit courses to more customary 3-credit courses.
6. **If applicable, please include the existing URI catalog language and proposed catalog changes indicated in Track Changes.** Please see the attached documents for both the track changes and 'accepted track changes' versions.

7. **Signature of the President**

David M. Dooley

pharm.d. six-year entry level curriculum requirements

Six-year Entry Level Curriculum Requirements. A total of 20~~7~~⁴ credits is required for graduation. Proficiency in ~~American Red Cross standard first aid and~~ community CPR ~~is~~^{are} also expected of each student prior to initiating advanced pharmacy practice experiences.

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 and housing if needed.

Criminal Background Checks. All students must undergo a criminal [background check](#) annually during the professional (P1 to P4) years of the program using the College's approved vendor. 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 students 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, therefore, should be aware that their criminal record may preclude their participation in clinical experiences at some sites, and as ~~as~~ 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, all students in the professional PharmD 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 maintained throughout the professional program (P1 to P4 years). Students completing IPPE or APPE experiences in other states must obtain an intern license through the board of pharmacy of the state(s) in which they have those practice experiences. Intern licensure in Massachusetts is recommended for all students, but not required. 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 an intern license also normally require the applicant to disclose, and provide an explanation 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.

pharm.d. pre-professional curriculum

First Year

First semester: 15–16 credits

CHM 101 (3), 102 (1); COM 100 or WRT 106 (3); BIO 101 (3), 103 (1); one general education course (3–4) or PHL 212 (3); and URI 101 (1).

Second semester: 17–18 credits

CHM 112 (3), 114 (1); MTH 131 (3); COM 100 or WRT 106 (3); BIO 220 (3), 221 (1) and one general education course (3–4) or PHL 212 (3).

Second Year

First semester: 17–18 credits

CHM 227 (3); ECN 201 (3); CMB 201 (4); BIO 222 (3), 223 (1), and one general education course (3–4).

Second semester: 18–19 credits

CMB 311 (3); CHM 228 (3), 226 (2); STA 307 (4), and two general education courses (6–7).

pharm.d. professional curriculum

First Professional Year (P1)

First semester: 16 credits

~~PHP/BPS 311 (2); BPS 301/303/305 (6);~~ BPS 313 (2), 318 (1), 319 (3) 321 (2); PHP ~~307+7~~ (3), PHP 303 (1), PHP 315 (3) and either PHP 340 or 350 (1).

Second semester: ~~17~~8 credits

PHP/BPS 310 (2); BPS 320 (3), BPS 325 (2), 334 (2); PHP 3085 (3), ~~316 (3)~~, 332 (3), ~~340 (1) or 350 (1)~~; PHC 316 (1), 327 (1)*.

Second Professional Year (P2)

First semester: 16–17 credits

PHP/BPS 409 (2), 415 (3), ~~418 (3)~~; BPS 421 (2); PHP 407 (3)~~1 (3)~~, 413 (3), 450 (2) ~~or 451 (1)~~; PHC 415 (1), 417 (1)*.

Second semester: 17 credits

PHP/BPS 412 (2); BPS 432 (2), 403 (3); PHP 408 (3), 418 (3), 424 (2), ~~NFS 444 (3)~~; ~~one professional elective (3)~~; PHC 416 (1), 427 (1)* .

Third Professional Year (P3)

First semester: 17–18 credits

PHP/BPS 410 (2); BPS 422 (2), 504 (3); PHP 414 (3), ~~450 (2) or~~ 451 (1); one professional elective (3); PHC 515 (2), 517 (1)*.

Second semester: 16 credits

PHP/BPS 526 (2); BPS 521 (3); NFS 444; PHP 504 (3), 513 (2); one professional elective (3); PHC 516 (2), 527 (1)*.

Fourth Professional Year (P4)

Combined summer, first, and second semester: 36 credits

To complete the curriculum, students must complete six 6-week advanced pharmacy practice experiences in community (PHP 591), ambulatory care (PHP 595), inpatient (PHP 592), institutional (PHP 594), and two different elective areas (PHP 593) for a total of 36 credits. The rotations will take place over summer, fall, and spring semesters in any order and are all capstone requirements in the [program](#).

** Interactive learning courses and integrated laboratory courses will be shared by PHP and BPS under the code of PHC.*

pharm.d. professional electives

Professional Electives. As part of the College's professional curriculum, students must complete ~~two~~three courses (minimum of 3 credits each) to improve their knowledge and understanding in a variety of practice areas. Students must complete a minimum of ~~one~~two of the ~~two~~three courses within the [College](#) of Pharmacy (BPS, PHC or PHP designation at the 300 level or higher; excluding BPS 497, BPS 498, PHP 497, and PHP 498). Students may use a 3-credit independent study (BPS 497, BPS 498, PHP 497 or PHP 498) or an approved course outside of the college for ~~one~~their third required elective. All requests for non-approved courses as professional electives must be reviewed and approved by the Associate Dean for Student and Academic Affairs.

Students desiring to expand their understanding in biomedical, pharmaceutical, and pharmacy research may select professional electives that focus learning on the theory and practice of laboratory research techniques, the evaluation and quantification of results, and on the understanding and interpreting of scientific literature. They will develop skills for oral and written communication of hypotheses, methods, and interpretations, and will carry out basic scientific research in one of the following four areas of specialization: medicinal chemistry and pharmacognosy, pharmaceuticals and pharmacokinetics, pharmacoepidemiology and

pharmacoeconomics, or pharmacology and toxicology. Students focusing their elective professional courses in this manner may also be able to apply and work toward an M.S. degree with a focus in one of the following areas:

Medicinal Chemistry and Pharmacognosy: Molecular mechanisms of chemical carcinogenesis; combinatorial chemistry; solid-phase peptide synthesis; screening, isolation, and structure elucidation of physiologically-active natural products; biosynthesis of microbial and plant natural products; herbal medicine.

Pharmaceutics and Pharmacokinetics: Design, development, production, evaluation, and regulatory approval of pharmaceutical and self-care products as well as pharmacokinetic and pharmacodynamic studies using virtual, clinical, and preclinical data, often with an emphasis on population approaches.

Pharmacoepidemiology and Pharmacoeconomics: Health and economic outcomes research pertaining to pharmacotherapy as used in human populations. Specializations include medication adherence, decision and cost-effectiveness analyses, post-marketing surveillance, epidemiologic methods, and quality improvement and measurement.

Pharmacology and Toxicology: Research projects explore the mechanisms involved in various disease states and their pharmacological intervention, and mechanisms of toxicity of various environmental agents. Ongoing topics include the effects of hormonal imbalances and antihypertensive agents on cardiac function and metabolism in hypertension, diagnosis and treatment of arthritis, effect of septic shock on drug metabolism, developmental neurotoxicity of environmental agents, hepatotoxicity and nephrotoxicity of heavy metals, interindividual variation in metabolism of heterocyclic amine carcinogens, regulation and genetic heterogeneity of enzymes involved in drug and xenobiotic metabolism, calcium- and non-calcium mediated pathways of cell death, and the development of inhibitors to cell signaling events.

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.

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

General Education Outcome Audit		
	Course	Grade
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		

Note to all students

This worksheet is a snapshot of your entire curriculum. You must also complete remaining degree requirements to meet University requirements (GenEd, supporting electives, and free electives). 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.

ABOUT THE DOCTOR OF PHARMACY PROGRAM:

The Doctor of Pharmacy curriculum is a ‘zero to six’ program, which means you begin as a freshman and complete the program in six years, graduating with a Doctor of Pharmacy degree. The program stresses critical thinking, active learning and clinical experience to prepare you for practice in a variety of professional settings.

Basic Non-Science Requirements			
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Microeconomics	ECN 201*		3
Ethics	PHL 212*		3
Communication	COM 100*		3
Research Writing	WRT 106*		3
Introduction to URI	URI 101		1

Basic Science /Math Requirements	Course	Grade	Cr.
General Chemistry I	CHM 101*		3
General Chemistry I Lab	CHM 102		1
General Chemistry II	CHM 112		3
General Chemistry II Lab	CHM 114		1
Organic Chemistry Lab	CHM 226		2
Organic Chemistry I	CHM 227		3
Organic Chemistry II	CHM 228		3
General Biology	BIO 101*		3
General Biology Lab	BIO 103*		1
Anatomy and Physiology I	BIO 220/221		4
Anatomy and Physiology II	BIO 222/223		4
Microbiology	CMB 201		4
Biochemistry	CMB 311		3
Biostatistics	STA 307		4
Calculus	MTH 131*		3

You must have a 2.7 minimum gpa with no grade less than C- in your basic math and science (pre-professional) courses And your overall gpa of 3.00

Professional Requirements			
P1 First Semester	Course	Grade	Cr.
Pharmaceutics I	BPS 319		3
Medicinal Chemistry	BPS 313		2
Pharm. Tech. Lab	BPS 318		1
Pharmacology	BPS 321		2
SAS I	PHP 307		3
Immunizations	PHP 303		1
Self-Care	PHP 315		3
PHP Experience IPPE I	PHP 340 or 350		1
P1 Second Semester			
Foundations II	BPS/PHP 310		2
Pharmaceutics II	BPS 320		3
Drug Metabolism	BPS 325		2
Pharmacology	BPS 334		2
Integrated Lab I	PHC 316		1
Interactive Learning IAL	PHC 327		1
SAS II	PHP 308		3
Therapeutics	PHP 332		3
P2 First Semester			
Pharmacology	BPS 421		2
Integrated lab II	PHC 415		1
Interactive Learning IAL	PHC 417		1
Foundations III	PHP/ BPS409		2
Immunotherapeutics	PHP/BPS 415		3
SAS III	PHP 407		3
Therapeutics	PHP 413		3
IPPE II	PHP 450		2
P2 Second Semester			
Pharmacokinetics I	BPS 403		3
Pharmacology	BPS 432		2
Foundations IV	BPS/PHP 412		2
Integrated lab III	PHC 416		1
Interactive Learning IAL	PHC 427		1
SAS IV	PHP 408		3
Self Care	PHP 418		3
Therapeutics	PHP 424		2

Professional Requirements			
P3 First Semester	Course	Grade	Cr.
Foundations V	BPS/PHP 410		2
Pharmacology	BPS 422		2
Pharmacokinetics II	BPS 504		3
Integrated lab IV	PHC 515		2
Interactive Learning IAL	PHC 517		1
Therapeutics	PHP 414		3
IPPE III	PHP 451		1
Professional Elective			3
P3 Second Semester			
Pharmacology	BPS 521		3
Foundations V	BPS/PHP 526		2
Nutrition	NFS 444		3
Integrated lab V	PHC 516		2
IAL	PHC 527		1
Health Systems	PHP 504		3
Therapeutics	PHP 513		2
Professional Elective			3
P4 First Semester			
Rotations	PHP _____		6
Rotations	PHP _____		6
Rotations	PHP _____		6
P4 Second Semester			
Rotations	PHP _____		6
Rotations	PHP _____		6
Rotations	PHP _____		6
CPR Certification			1
Total Graduation Credits *			207
Must be CPR certified which adds 1 credit to equal 207			

* Indicates requirements that also count as General Education Courses

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.

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

General Education Outcome Audit		
	Course	Grade
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		

Note to all students

This worksheet is a snapshot of your entire curriculum. You must also complete remaining degree requirements to meet University requirements (GenEd, supporting electives, and free electives). 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.

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The Doctor of Pharmacy curriculum is a ‘zero to six’ program, which means you begin as a freshman and complete the program in six years, graduating with a Doctor of Pharmacy degree. The program stresses critical thinking, active learning and clinical experience to prepare you for practice in a variety of professional settings.

Basic Non-Science Requirements			
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Professional Requirements			
P1 First Semester	Course	Grade	Cr.
Dosage I	BPS 301		2
Dosage II	BPS 303		2
Dosage III	BPS 305		2
Foundations I	BPS/PHP 311		2
Pharmaceutics I	BPS 319		3
Medicinal Chemistry	BPS 313		2
Pharm. Tech. Lab	BPS 318		1
Pharmacology	BPS 321		2
SAS I	PHP 307		3
Immunizations	PHP 303		1
Self-Care	PHP 315		3
Pharm. Practice in Healthcare	PHP 317		3
PHP Experience IPPE I	PHP 340 or 350		1
P1 Second Semester			
Foundations II	BPS/PHP 310		2
Pharmaceutics II	BPS 320		3
Drug Metabolism	BPS 325		2
Pharmacology	BPS 334		2
Integrated Lab I	PHC 316		1
Interactive Learning IAL	PHC 327		1
SAS II	PHP 308		3
Drug Information	PHP 305*		3
Pharmacy Law and Ethics	PHP 316*		3

Therapeutics	PHP 332		3
PHP Experience IPPE I	PHP 340 or 350		1
P2 First Semester			
Pharmacology	BPS 421		2
Integrated lab II	PHC 415		1
Interactive Learning IAL	PHC 417		1
Pharmacy Resource	PHP 401		3
Foundations III	PHP/ BPS409		2
Immunotherapeutics	PHP/BPS 415		3
SAS III	PHP 407		3
Self-Care I	PHP/ BPS 418		3
Therapeutics	PHP 413		3
IPPE II	PHP 450 or 451(I)		2
P2 Second Semester			
Pharmacokinetics I	BPS 403		3
Pharmacology	BPS 432		2
Foundations IV	BPS/PHP 412		2
Nutrition in Health	NFS 444		3
Integrated lab III	PHC 416		1
Interactive Learning IAL	PHC 427		1
SAS IV	PHP 408		3
Self Care	PHP 418		3
Therapeutics	PHP 424		2
Professional Elective			3

You will take either 340 or 350 during the P1 second semester or the P2 first semester.

Professional Requirements			
P3 First Semester	Course	Grade	Cr.
Foundations V	BPS/PHP 410		2
Pharmacology	BPS 422		2
Pharmacokinetics II	BPS 504		3
Integrated lab IV	PHC 515		2
Interactive Learning IAL	PHC 517		1
Therapeutics	PHP 414		3
IPPE III	PHP 451		1
Professional Elective			3
P3 Second Semester			
Pharmacology	BPS 521		3
Foundations V	BPS/PHP 526		2
Nutrition	NFS 444		3
Integrated lab V	PHC 516		2
IAL	PHC 527		1
Health Systems	PHP 504		3
Therapeutics	PHP 513		2
Professional Elective			3
P4 First Semester			
* Rotations	PHP _____		6
Rotations	PHP _____		6
Rotations	PHP _____		6
P4 Second Semester			
Rotations	PHP _____		6
Rotations	PHP _____		6
Rotations	PHP _____		6
CPR Certification *			1
Total Graduation Credits			2074
Must be CPR certified which adds 1 credit to equal 207			

* Indicates requirements that also count as General Education Courses

Norma Owens <normaowens@uri.edu>

Change in NFS 444 for Pharmacy

1 message

Cathy English <cathy@uri.edu>

Wed, Mar 6, 2019 at 12:11 PM

To: Norma Owens <normaowens@uri.edu>

Norma-

I am writing in support of the curriculum proposal to change the year that NFS 444 is taught in the Pharmacy program. I have been in contact with the instructor and she is in agreement.

If you need any additional information, please feel free to contact me.

Thanks-
Cathy

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