

THE  
UNIVERSITY  
OF RHODE ISLAND  
FACULTY SENATE OFFICE

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



Serial Number #17-18-22B

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

1. The attached BILL titled, the Five Hundred and Forty-fifth Report of the Curricular Affairs Committee: Curricular Proposals, is forwarded for your consideration.
2. This BILL was adopted by vote of the Faculty Senate on January 25, 2018.
3. After considering this bill, will you please indicate your approval or disapproval. Return the original, completing the appropriate endorsement below.
4. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective February 15, 2018 three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; or (3) the University Faculty petitions for a referendum.

\_\_\_\_\_  
Mark Conley  
Chairperson of the Faculty Senate

January 25, 2018

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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

1.31.18  
(date)

## UNIVERSITY OF RHODE ISLAND FACULTY SENATE January 25, 2018

### Faculty Senate Curricular Affairs Committee Five Hundred and Forty-fifth Report

At the December 11, 2017 meeting of the Curricular Affairs Committee and by electronic communication, the following matters were considered and are now presented to the Faculty Senate.

### SECTION II Curricular Matters Which Require Confirmation by the Faculty Senate

#### PROGRAM PROPOSALS

##### COLLEGE OF ARTS AND SCIENCES;

###### **BA in Film Media:**

The Film/Media program would like to add ART 213, 214, 314, and 315 to its already existing list of interdisciplinary production courses (see attached curriculum worksheet). These course sequences on B/W and Digital Photography focus on the production of the still image, which is the foundational building block in the creation and study of film. In this, these courses provide an essential addition to the courses offered to FLM majors and minors as they focus on specific photographic skills and analysis that are not provided in existing FLM course offerings.

The Film/Media program would like to add COM 316B, Television Criticism, to its already existing list of interdisciplinary critical studies courses (see attached curriculum worksheet). Film/Media has been offering several special topics in critical television studies since 2015, but the emphasis of this course on “rhetorical, media, cultural and various critical theories of” television offers an important addition to the courses offered to FLM majors and minors. The specific focus of this course on the rhetoric of the criticism of television is not examined or available from this approach in existing FLM course offerings

##### COLLEGE OF ENGINEERING:

###### **BS in Civil Engineering**

Currently, the topics of surveying and AutoCAD are both covered in a 2-credit course (CVE 205). After rigorous assessment, we have found that students need more time with each of these topics, particularly AutoCAD. We are requesting that CVE 205 be modified to a 1-credit course on surveying in the fall of the sophomore year and adding an existing 3-credit course on AutoCAD, CVE 250, as a requirement in the spring semester of the sophomore year. This will add two credits to the total program requirement.

In order to balance the total number of credits each semester, we are proposing to move STA 409 from spring to fall of the sophomore year.

In order to better prepare students for internships at the end of their junior year, we are requesting that students register for a professional elective in the spring semester of their junior year (swap a general education with a professional elective in the spring of junior and senior year). A list of strongly recommended professional electives will also be added as a footnote to better guide students based on their interests.

**Engineering Entrepreneurship Minor**

The list of courses suitable for the minor is increased by the addition of BUS 247 and 249, ELE 470, and OCE 360 and 467. A possible substitution for EGR326 is offered by allowing another course from one of the engineering-specific options on the approved list.

NOTICE OF CHANGE FORM

Notice of Change for:

Date: 9.20.2017

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Film/Media

College: Arts & Sciences

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

Initiation date: September, 2018

First degree date: December, 2018

4. Intended location of the program

Kingston

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

The Film/Media program would like to add ART 213, 214, 314, and 315 to its already existing list of interdisciplinary production courses (see attached curriculum worksheet). These course sequences on B/W and Digital Photography focus on the production of the still image, which is the foundational building block in the creation and study of film. In this, these courses provide an essential addition to the courses offered to FLM majors and minors as they focus on specific photographic skills and analysis that are not provided in existing FLM course offerings.

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

Rebecca  
Romanow

Digitally signed by  
Rebecca Romanow  
Date: 2017.11.27  
15:55:22 -05'00'

Nancy  
Eaton

Digitally signed by Nancy Eaton  
DN: cn=Nancy Eaton, o=College of Arts and Sciences,  
email=neaton@uri.edu, c=US  
Date: 2017.11.27 15:47:30 -05'00'

**7. Signature of the President**

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David M. Dooley



## Film/Media

Part of the Harrington School of Communication and Media ([uri.edu/harrington](http://uri.edu/harrington)), the Film/Media Program offers a Bachelor of Arts (B.A.) degree and a minor.

*Faculty:* Rebecca Romanow, *Director*. Professors Sama, Swift, Trimm, Walton, and Wood; Associate Professors Chadha, De Bruin, Echevarría, Healey–Jamiel, Mandel, Meagher, and Moore; Assistant Professors Kealhofer–Kemp and Wyatt; Adjunct Professor DeSchepper; Adjunct Assistant Professors Bergstrom, Neugent, Tierney and Zorabedian; Senior Lecturer Romanow; Lecturer Brown.

**The Major.** Film/Media is an interdisciplinary program offering hands-on experience in documentary, experimental, narrative, and new media production, balanced with an emphasis on international cinemas, film/media history, criticism, and theory. Our curriculum reflects the dynamic and diverse nature of this field, approached from a perspective of film history and media theory. Students learn to work with the evolving and overlapping technologies involved in the production of moving images (including film, digital video, 3D animation, game design, and new media), with an understanding of the broadening and globalization of their cultural and aesthetic contexts. A wide range of courses is available to the film/media student—courses that examine the historical, theoretical, and global approaches to the analysis and creation of moving images. The film/media program prepares students for careers in such areas as independent filmmaking; animation and media design; film and television industries; advertising, marketing, and public relations; and media criticism. Graduates of this program are also prepared to continue with graduate studies, either in film and media production for an M.F.A., or in a master's or doctoral program in film and media studies.

Students majoring in film/media must complete a minimum of 31 credits (maximum 46) in approved courses toward the major. FLM 101 or FLM 101H is a required prerequisite. All students must complete the core courses: FLM 110, FLM 203 (or ENG 302), FLM 204 (or FLM 205), including the senior-level seminar FLM 495; a minimum of 6 credits from the *production and technique* category and 6 credits from the *critical studies* category; a minimum of 3 elective credits in courses that count toward the film major (following). This wide range of choices in film/media courses permits students to design a major that will meet both personal and professional goals. Students must have a plan of study approved by an academic advisor in the film media program before beginning their coursework in the major.

*Production & Technique:* These courses focus on the different approaches to and practices of film/video production—how moving images are created, designed, and used to serve a variety of functions: ART 204, [213](#), [214](#), 215, 304, 306, [314](#), [315](#), 316; COM 341, 342, 445; FLM 110, 351, 401, 445, 491A; JOR 221, 331.

*Critical Studies:* These courses emphasize the important traditions of genre and the literary and aesthetic approaches toward understanding and valuing film/media, and integrates them into their broad historical, cultural, and ideological contexts: AAF 352; ART 374, 376, 377; CLS 451; COM [316B](#), 346, 414; ENG 205 D, 245, 300A, 300B, 302, 303, 304, 305D, 352, 451; FLM 203, 204, 205, 352, 444, 451, 491B, 495; FRN 320; GWS 350; HIS 358; HPR 324, 411; ITL 315; JOR 311; SPA 320; THE 182. FRN 320, ITL 315, and SPA 320 are taught in English. Other courses may be used for this category with prior approval of the program director. The following topics courses have been pre-approved: HPR 324 *Images of Masculinity in Films*, HPR 324 *Rebel Images in Films*, HPR 411 *Film and Video Practicum*, and GWS 350 *Women and Film*. Other film–

based courses may count toward the major or the minor with the permission of the film/media program director.

A total of 120 credits is required for graduation. At least 42 of these must be in courses numbered 300 or above.

RON ONORATO URI

To: URI FILM DIRECTOR

Re: Adding ART classes to Film/Media courses

Updated contact info found in this email: Ronald Onorato Kingston, RI 02881

Rebecca, I approve the list ART courses (which are sequences of Darkroom and digital photography) to be added to the existing list of interdisciplinary production courses that count toward the FLM major.

Thanks.

Ron

On Sun, Sep 17, 2017 at 3:13 PM, URI Film Director <[urifilmdirector@gmail.com](mailto:urifilmdirector@gmail.com)> wrote:

Hi Ron,

We discussed this last Spring, and I am now submitting the paperwork to A&S Curriculum to get these changes approved.

Can you please send me a return email that stipulates that you OK the addition of ART 213, 214, 314, and 315 to the existing list of interdisciplinary production courses that count towards the FLM major?

Let me know if you have any questions about this.

Best,

Rebecca

Rebecca Fine Romanow, PhD  
Director, Film/Media Program  
Harrington School of Communication and Media  
University of Rhode Island

151 Swan Hall  
Kingston, RI 02881  
Office: +1 401.674.9474  
[urifilmdirector@gmail.com](mailto:urifilmdirector@gmail.com)

[Film/Media at the University of Rhode Island](#)  
[Film/Media Program on Facebook](#)

[Twitter: @URIFilm](#)  
Instagram: urifilm



**ABOUT THE FILM MEDIA DEGREE:**

The BA program in Film Media is an interdisciplinary program offering hands-on experience in documentary, experimental, and new media production, balanced with an emphasis on international cinemas, film/media history, criticism and theory. Our curriculum reflects the dynamic and diverse nature of this field, approached from a perspective of film history and media theory. Students learn to work with the evolving and overlapping technologies involved in the production of moving images, (including film, digital video, 3D animation, game design, and new media), with an understanding of the broadening and globalization of their cultural and aesthetic contexts.

**STEP 1:**

**Prerequisite to Major:**

| Course           | Semester | Credits | Grade |
|------------------|----------|---------|-------|
| FLM 101* or 101H |          | 4       |       |

**Major Requirements:**

| Course   | Semester | Credits | Grade |
|--|----------|---------|-------|
| FLM 110  |          | 4       |       |
| FLM 203* or ENG 302  |          | 4       |       |
| FLM 204* or 205*   |          | 4       |       |
| FLM 495  |          | 4       |       |
| Six (6) credits from <i>Production and Technique</i> :<br>ART 204, 213, 214, 215, 304, 314, 315, 316; COM 341, 342, 445; FLM 110, 351, 401, 445, 491A; JOR 221, 331  |          |         |       |
|  |          |         |       |
|  |          |         |       |
| Six (6) credits from <i>Critical Studies</i> :<br>AAF 352; ART 374, 376, 377; CLS 451; COM 316B, 346, 414; ENG 205 D, 245, 300A, 300B, 302, 303, 304, 305D, 352, 451; FLM 203*, 204*, 205*, 352, 444, 451, 491B, 495; FRN 320; GWS 350; HIS 358; HPR 324, 411; ITL 315*; JOR 311; SPA 320; THE 182 |          |         |       |
|  |          |         |       |
|  |          |         |       |
| 3 credits FLM elective   |          |         |       |
|  |          | 3       |       |
| Optional Major Electives (do not exceed 46 FLM credits)  |          |         |       |
|  |          |         |       |
|  |          |         |       |

**42 credits at the 300-level or higher**

(major and general education courses may fulfill this requirement)

| Course | Credits | Course | Credits |
|--------|---------|--------|---------|
|        |         |        |         |
|        |         |        |         |
|        |         |        |         |
|        |         |        |         |
|        |         |        |         |
|        |         |        |         |
|        |         |        |         |

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

**Film Media-BA**  
 120 Credits Total  
 31-46 Credits in Major

**THE UNIVERSITY OF RHODE ISLAND**

FALL 2017-SPRING 2018

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DRAFT

**Free elective credits**  
 (to meet the 120 credits required for graduation):

| Course | Credits | Course | Credits |
|--------|---------|--------|---------|
|        |         |        |         |
|        |         |        |         |
|        |         |        |         |
|        |         |        |         |
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|        |         |        |         |
|        |         |        |         |

\*Cou

|  |
|--|
| <p><b><u>Pre-Approved Topics Courses</u></b></p> <p><b>HPR 324: Images of Masculinity in Films</b></p> <p><b>HPR 324: Rebel Images in Film</b></p> <p><b>HPR 411: Film and Video Practicum</b></p> <p><b>GWS 350: Women and Film</b></p> |
|--|

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

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

**STEP 2:**

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

**STEP 3:**

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

**SEE OPPOSITE SIDE FOR PROGRAM REQUIREMENTS.**

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

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

KEVIN MCCLURE URI

Re: Approval for adding COM 316B: Television Criticism to FLM courses

To: URI FILM DIRECTOR

Inbox - URI FilmDirector September 18, 2017 at 9:28 AM

KU

Siri found updated contact info in this email: Kevin McClure other fax: (401) 874-4722

update...

Hi Rebecca: I do agree with adding Com 316B to the FLM offerings.

Best,  
KM

On Sun, Sep 17, 2017 at 3:24 PM, URI Film Director <[urifilmdirector@gmail.com](mailto:urifilmdirector@gmail.com)> wrote:

Hi Kevin,

I'm about submit the paperwork to A&S Curriculum to get COM 316B: Television Criticism added to courses that count towards the FLM major.

Could you please send me an email stating that you agree with this addition?

Many thanks,

Rebecca

Rebecca Fine Romanow, PhD  
Director, Film/Media Program  
Harrington School of Communication and Media  
University of Rhode Island

151 Swan Hall  
Kingston, RI 02881  
Office: [+1.401.874.9474](tel:+14018749474)  
[urifilmdirector@gmail.com](mailto:urifilmdirector@gmail.com)

[Film/Media at the University of Rhode Island](#)  
[Film/Media Program on Facebook](#)

[Twitter: @URIFilm](#)  
Instagram: urifilm

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Kevin B. McClure, Ph. D.

NOTICE OF CHANGE FORM

Notice of Change for: **B.S. Degree in Civil Engineering**  
Date: **October 18, 2017**

**A. PROGRAM INFORMATION**

**1. Name of institution**

University of Rhode Island

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

Department: Civil and Environmental Engineering

College: College of Engineering

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

Initiation date: Fall 2018

First degree date: December 2018

**4. Intended location of the program**

Kingston Campus, College of Engineering, Bliss Hall

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

Currently, the topics of surveying and AutoCAD are both covered in a 2-credit course (CVE 205). After rigorous assessment, we have found that students need more time with each of these topics, particularly AutoCAD. We are requesting that CVE 205 be modified to a 1-credit course on surveying in the fall of the sophomore year and adding an existing 3-credit course on AutoCAD, CVE 250, as a requirement in the spring semester of the sophomore year. This will add two credits to the total program requirement.

In order to balance the total number of credits each semester, we are proposing to move STA 409 from spring to fall of the sophomore year.

In order to better prepare students for internships at the end of their junior year, we are requesting that students register for a professional elective in the spring semester of their junior year (swap a general education with a professional elective in the spring of junior and senior year). A list of strongly recommended professional electives will also be added as a footnote to better guide students based on their interests.

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

**University Catalog Description:**

The [civil engineering major](#) requires ~~124~~[126](#) 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)<sup>1</sup> (3).

*Second semester: 17 credits*

EGR 106 (2); GEO 103 (4); MTH 142 (4); PHY 203 (3), 273 (1); and general education outcome(s)<sup>1</sup> (3).

*Sophomore Year First semester: ~~15~~[17](#) credits*

CVE 205 (~~2~~[1](#)); MCE 262 (3); MTH 243 (3); and PHY 204 (3), 274 (1); [STA 409 \(3\)](#); and WRT 332 (3).

*Second semester: 16 credits*

CHM 112 (3); CVE 220 (3), 230 (1); MCE 263 (3); MTH 244 (3); and [CVE 250 \(3\)](#) ~~STA 409 (3)~~.

*Junior Year First semester: 17 credits*

CVE 346 (3), 354 (3), 355 (1), 374 (3), 381 (3), 382 (1); and MCE 354 (3).

*Second semester: 14 credits*

CVE 347 (3), 348 (1), 370 (3), 375 (1); ISE 304 (3); and ~~general education outcome(s)<sup>1</sup>~~ [professional elective<sup>2</sup>](#) (3).

*Senior Year First semester: 15 credits*

CVE 400 (1), 465 (3), 483 (3), 497 (2) [**capstone**]; and professional electives<sup>2</sup>(6).

*Second semester: 15 credits*

CVE 498 (3) [**capstone**]; professional electives<sup>2</sup> ([9](#)~~6~~); general education outcome(s)<sup>1</sup> (~~3~~[6](#)); and take the Fundamentals of Engineering (FE) Examination<sup>3</sup>.

<sup>1</sup> *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.*

<sup>2</sup> *Professional Elective Requirements:* Three (3) of the fifteen (15) credits must be selected from the following courses: CVE 470, 471, 475, 477. The remaining twelve (12) credits can be any 300–level and above CVE courses and may include three (3) credits from the following courses: CHE 333, ELE 220, MCE 341, or MTH 215. A maximum of six (6) credits of Special Problems (CVE 491 or 492) may be taken.  
[Strongly recommended courses include CVE 453, 460](#)

<sup>3</sup> *Fundamentals of Engineering (FE) Examination:* All CVE majors are required to take the [FE Examination](#) offered by [NCEES](#) as a part of graduation requirements. **Official [NCEES](#) proof of having taken the exam is required.**

## 7. Signature of the President

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David M. Dooley

| SPECIFIED MATHEMATICS, SCIENCE, AND ENGINEERING COURSES            |                                  |                                  |       |     |      |  |                                 |    |       |     |      |
|--|----------------------------------|----------------------------------|-------|-----|------|--|---------------------------------|----|-------|-----|------|
| INTRODUCTORY ENGINEERING   |                                  |                                  |       |     |      | ENGINEERING SCIENCE and DESIGN   |                                 |    |       |     |      |
| Sem  | Course                           | Cr                               | Grade | QP  | Note | Sem  | Course                          | Cr | Grade | QP  | Note |
|  | EGR 105 (A4)                     | 1                                |       |     |      |  | CVE 205                         | 1  |       |     |      |
|  | EGR 106 (A4)                     | 2                                |       |     |      |  | CVE 220                         | 3  |       |     |      |
|  |                                  | 3                                |       |     |      |  | CVE 230                         | 1  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 250                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 346                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 347                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 348                         | 1  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 354                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 355                         | 1  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 370                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 374                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 375                         | 1  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 381                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 382                         | 1  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 465                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 400                         | 1  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 483                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 497 [capstone]              | 2  |       |     |      |
|  |                                  |                                  |       |     |      |  | CVE 498 [capstone] (D1)         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | ISE 304                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | MCE 262                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | MCE 263                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  | MCE 354                         | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 | 54 |       |     |      |
|  |                                  |                                  |       |     |      |  | <b>**PROFESSIONAL ELECTIVES</b> |    |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 | 3  |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 | 15 |       |     |      |
| <b>***ATTEMPT FUNDAMENTALS OF ENGINEERING (FE) EXAM</b>            |                                  |                                  |       |     |      |  |                                 |    |       |     |      |
| ---  | <input type="checkbox"/> Oct/Nov | <input type="checkbox"/> Jan/Feb | ---   | --- | ---  |  |                                 |    |       |     |      |
| ---  | <input type="checkbox"/> Apr/May | <input type="checkbox"/> Jul/Aug | ---   | --- | ---  |  |                                 |    |       |     |      |
| <b>*GENERAL EDUCATION OUTCOMES</b>                                 |                                  |                                  |       |     |      |  |                                 |    |       |     |      |
| Sem  | Course                           | Cr                               | Grade | QP  | Note | Sem  | Course                          | Cr | Grade | QP  | Note |
| <b>Science, Technology, Engineering, and Math (STEM) (A1)</b>      |                                  |                                  |       |     |      | <b>Civic Knowledge &amp; Responsibilities (C1)</b>   |                                 |    |       |     |      |
| ---  | CHM & PHY (see above)            | 11                               | ---   | --- | ---  |  |                                 |    |       |     |      |
| <b>Social and Behavioral Sciences (A2)</b>                         |                                  |                                  |       |     |      | <b>Global Responsibilities (C2)</b>  |                                 |    |       |     |      |
|  | ECN 201                          | 3                                |       |     |      |  |                                 |    |       |     |      |
| <b>Humanities (A3)</b>   |                                  |                                  |       |     |      | <b>Diversity &amp; Inclusion (C3)</b>  |                                 |    |       |     |      |
|  |                                  |                                  |       |     |      |  |                                 |    |       |     |      |
| <b>Arts &amp; Design (A4)</b>                                      |                                  |                                  |       |     |      | <b>Ability to Synthesize (D1)</b>  |                                 |    |       |     |      |
| ---  | EGR 105 & 106 (see above)        | 3                                | ---   | --- | ---  | ---  | CVE 498 (see above)             | 3  | ---   | --- | ---  |
| <b>Write Effectively (B1)</b>                                      |                                  |                                  |       |     |      | <b>Grand Challenge (at least one course must be coded with a "G")</b>  |                                 |    |       |     |      |
|  | WRT 332                          | 3                                |       |     |      |  |                                 |    |       |     |      |
| <b>Communicate Effectively (B2)</b>                                |                                  |                                  |       |     |      | <b>Free Elective</b>   |                                 |    |       |     |      |
| ---  | WRT 332                          | ---                              | ---   | --- | ---  | <i>If you fulfill all Outcomes in fewer spaces than indicated on page one, you must use those additional spaces to take course(s) of your choice to reach your degree credit total (124)</i> |                                 |    |       |     |      |
| <b>Mathematical, Statistical, or Computational Strategies (B3)</b> |                                  |                                  |       |     |      |  |                                 |    |       |     |      |
| ---  | MTH (see above)                  | 11                               | ---   | --- | ---  |  |                                 |    |       |     |      |
| <b>Information Literacy (B4)</b>                                   |                                  |                                  |       |     |      |  |                                 |    |       |     |      |
| ---  | GEO 103 (see above)              | 4                                | ---   | --- | ---  |  |                                 |    |       |     |      |

\* **General Education Outcomes:** at least 40 credits must be completed. (A1-D1) must be met by at least three credits. A single course may satisfy one or two outcomes, and at least one course must be a "Grand Challenge". No more than twelve credits can be from the same course code except HPR. General education courses may also be used to meet requirements of your major(s) or minor(s) when appropriate.

\*\* **Professional Electives:** Three (3) of the fifteen (15) credits must be selected from the following courses: CVE 470, 471, 475, 477. The remaining twelve (12) credits can be any 300-level and above CVE courses and may include three (3) credits from the following courses: CHE 333, ELE 220, MCE 341, or MTH 215. A maximum of six (6) credits of Special Problems (CVE 491 or 492) may be taken.

\*\*\* **Fundamentals of Engineering (FE) Examination:** Official NCEES proof of having taken the exam is required.



# CIVIL ENGINEERING - Class of 2022 (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         |  |
| ECN 201     | Principles of Microeconomics (A2) | 3         |  |
|             | General Education Outcome(s)*     | 3         |  |
|             |                                   | <b>15</b> |  |

## Freshman Year *Spring* Semester

| Course Code | Description                        | Cr        |  |
|-------------|------------------------------------|-----------|--|
| EGR 106     | Foundations of Engineering II (A4) | 2         |  |
| MTH 142 +   | Calculus II (B3)                   | 4         |  |
| PHY 203     | Elementary Physics I (A1)          | 3         |  |
| PHY 273     | Elementary Physics Lab I (A1)      | 1         |  |
| GEO 103     | Understanding the Earth (A1, B4)   | 4         |  |
|             | General Education Outcome(s)*      | 3         |  |
|             |                                    | <b>17</b> |  |

## Sophomore Year *Fall* Semester

| Course Code | Description                                     | Cr        |  |
|-------------|---|-----------|--|
| CVE 205     | Intro to Civil Engineering Tools                | 1         |  |
| MCE 262     | Statics   | 3         |  |
| MTH 243 +   | Calculus for Functions of Several Vars (A1, B3) | 3         |  |
| PHY 204     | Elementary Physics II (A1)                      | 3         |  |
| PHY 274     | Elementary Physics Lab II (A1)                  | 1         |  |
| STA 409     | Statistics                                      | 3         |  |
| WRT 332     | Technical Writing (B1, B2)                      | 3         |  |
|             |   | <b>17</b> |  |

## Sophomore Year *Spring* Semester

| Course Code | Description                  | Cr        |  |
|-------------|------------------------------|-----------|--|
| CHM 112 +   | General Chemistry II Lecture | 3         |  |
| CVE 220     | Mechanics of Materials       | 3         |  |
| CVE 230     | Mechanics of Materials Lab   | 1         |  |
| CVE 250     | CADD for Civil Engineers     | 3         |  |
| MCE 263     | Dynamics                     | 3         |  |
| MTH 244     | Differential Equations       | 3         |  |
|             |                              | <b>16</b> |  |

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        |  |
|-------------|------------------------------|-----------|--|
| CVE 346 +   | Transportation Engineering   | 3         |  |
| CVE 354 +   | Structural Engineering       | 3         |  |
| CVE 355     | Structural Engineering Lab   | 1         |  |
| CVE 374 +   | Environmental Engineering    | 3         |  |
| CVE 381 +   | Geotechnical Engineering     | 3         |  |
| CVE 382     | Geotechnical Engineering Lab | 1         |  |
| MCE 354     | Fluid Mechanics              | 3         |  |
|             |                              | <b>17</b> |  |

## Junior Year *Spring* Semester

| Course Code | Description                              | Cr        |  |
|-------------|--|-----------|--|
| CVE 347     | Highway Engineering                      | 3         |  |
| CVE 348     | Highway Engineering Lab                  | 1         |  |
| CVE 370 +   | Hydraulic Engineering                    | 3         |  |
| CVE 375     | Environmental Engineering Lab            | 1         |  |
| ISE 304     | Engineering Economy and Project Planning | 3         |  |
|             | Professional Elective**                  | 3         |  |
|             |  | <b>14</b> |  |

## Senior Year *Fall* Semester

| Course Code | Description                              | Cr        |  |
|-------------|--|-----------|--|
| CVE 400     | Civil Engineering Licensure              | 1         |  |
| CVE 465     | Analysis & Design of Concrete Structures | 3         |  |
| CVE 483     | Foundation Engineering                   | 3         |  |
| CVE 497     | Civil Engineering Design I               | 2         |  |
|             | Professional Elective**                  | 3         |  |
|             | Professional Elective**                  | 3         |  |
|             |  | <b>15</b> |  |

## Senior Year *Spring* Semester

| Course Code | Description                      | Cr        |  |
|-------------|----------------------------------|-----------|--|
| CVE 498     | Civil Engineering Design II (D1) | 3         |  |
|             | Professional Elective**          | 3         |  |
|             | Professional Elective**          | 3         |  |
|             | General Education Outcome(s)*    | 3         |  |
|             | General Education Outcome(s)*    | 3         |  |
| ---         | Take FE Examination***           | ---       |  |
|             |                                  | <b>15</b> |  |

\*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: Three (3) of the fifteen (15) credits must be selected from the following courses: CVE 470, 471, 475, 477. The remaining twelve (12) credits can be any 300-level and above CVE courses and may include three (3) credits from the following courses: CHE 333, ELE 220, MCE 341, or MTH 215. A maximum of six (6) credits of Special Problems (CVE 491 or 492) may be taken. CVE 453 and 460 are strongly recommended.

\*\*\*Fundamentals of Engineering (FE) Examination: All CVE majors are required to take the FE Examination offered by NCEES as part of graduation requirements. Official NCEES proof of having taken the exam is required.

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

NOTICE OF CHANGE FORM

Notice of Change for: Engineering Entrepreneurship Minor

Date: 9/22/17

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: Oct. 1, 2017

First degree date: Spring 2018

4. Intended location of the program

Kingston

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

The list of courses suitable for the minor is increased by the addition of ones from ELE and OCE. A possible substitution for EGR326 is offered.

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

The course requirements for the undergraduate engineering entrepreneurship minor are as follows.

**core required courses (9 credits)**

EGR 325 Engineering Entrepreneurship I

EGR 326 Engineering Entrepreneurship II

One of the BUS Supporting Courses below

**supporting courses (choose 9 credits not including BUS course as indicated above; most courses are 3 credits)**

Business: BUS 247, 249, 315, 320, 341, 365, 441, 443, 449, 450

Civil Engineering: CVE 323, 334, 477

Communication Studies: COM 341, 402

Community Planning: CPL 434, 537

Economics: ECN 201, 202

**Electrical Engineering: ELE 470**

Engineering Ethics: EGR 316

Environmental Economics: EEC 205, 310  
Industrial and Systems Engineering\*: ISE 304 (404), 451, 500, 552  
Marine Affairs: MAF 220, 312  
Ocean Engineering: OCE 360, 467  
Writing: WRT 332 (333)

\*ISE Majors cannot use ISE 304 (404) or 451 in satisfaction of minor requirements

Notes:

1. Supporting courses may be substituted with appropriate other courses including special projects only with prior approval by the Engineering Entrepreneurship Minor Coordinator, [Professor James Miller](#) and your Department Chair.
2. EGR325 is offered in the fall semester and EGR326 is typically offered in the Winter "J-term". Students unable to take EGR326 can substitute that course with another course from one of the engineering-specific options on the approved list.

## 7. Signature of the President

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David M. Dooley



James Miller <[miller@uri.edu](mailto:miller@uri.edu)>

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## Re: Approval to add courses to Engineering Entrepreneurship Minor

1 message

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**Deborah Rosen** <[drosen@uri.edu](mailto:drosen@uri.edu)>  
To: James Miller <[miller@uri.edu](mailto:miller@uri.edu)>  
Cc: Nancy Forster-Holt <[forsterholt@uri.edu](mailto:forsterholt@uri.edu)>

Thu, May 11, 2017 at 2:43 PM

This is good news so yes, we concur.

Deborah Rosen, Ph.D.  
Associate Dean College of Business Administration  
Executive Director URI Transportation Center

On Tue, May 9, 2017 at 1:58 PM, James Miller <[miller@uri.edu](mailto:miller@uri.edu)> wrote:

Deb,

We are proposing to expand our Engineering Entrepreneurship minor by adding your new entrepreneurship courses:

BUS149 (Intro to Entrepreneurship), BUS247 (Business of Innovation: Design Process), BUS249 (Business of Innovation: Lean Startup), and BUS348 (Business of Innovation: Social Design)

Can you reply to this email with your approval? I have cced Nancy Forster-Holt for information.

Thanks,

Jim

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Prof. James H. Miller, Sc.D., P.E.  
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