

**Notice of Change form**

Notice of Change for: BA in Computer Science

Date: 8/31/2019

**A. PROGRAM INFORMATION**

**1. Name of institution**

University of Rhode Island

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

Department: Computer Science and Statistics

College: Arts and Sciences

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

Initiation date: Fall 2020

First degree date: May 2020

**4. Intended location of the program**

Kingston

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

We are proposing one minor change to the BA in Computer Science:

Add CSC 477 as excluded course in CSC electives.

We have added CSC 477 to be the course code for our internship course. We want to make sure that students are not allowed to take this as one of their CSC 300-level or above electives.

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

See below

## 7. Signature of the President

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David M. Dooley

### *BACHELOR OF ARTS*

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

In order to transfer from University College for Academic Success to the College of Arts and Sciences as a B.A. computer science major (or to be coded as such in the College of Arts and Sciences), a student must have completed CSC 110 and CSC 211 and must have at least a 2.00 cumulative GPA in all CSC and MTH courses required in the B.A. program that have been completed at the time of the application for transfer.

Students in the B.A. curriculum must complete a minimum of 36 credits (maximum 51) as follows: CSC 106 (4), 110 (4), 211 (4), 212 (4), 301 (4), 305 (4); one of 411 or 412 (4); one programming course from the following: CSC 402, 406, 415, 436, 450, 462, 481, 493; one additional CSC or CSF course at the 300-level or above, except that CSC 392 and 491 may be used only with prior departmental approval. CSC 494, [477](#) and 499 may not be used. Also required are MTH 180 (3) and one more course from the following list: MTH 131, 141, 142, 215, CSC 340, STA 307, 308, 409 (3 or 4); one course from among WRT 104, 106, and HPR 112 (3); and WRT 201 or WRT 332 (3).

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

A possible course of studies follows.

*Freshman Year First semester: 14 credits*

CSC 106 (4) B3; WRT 104 (3) B1, B4; URI 101 (1); MTH 180(3) A1, B3; Gen Ed (3)

*Second semester: 16 credits*

CSC 110 (4); Elective (6); Gen Ed (6)

*Sophomore Year First semester: 16 credits*

CSC 211 (4); MTH Req (3); Gen Ed (6); Electives (3)

*Second semester: 14 credits*

CSC 212 (4); WRT 332 (3) B1, B2; Gen Ed (4); Elective (3)

*Junior Year First semester: 15 credits*

CSC 301 (4), 305 (4); Gen Ed (4); Electives (3)

*Second semester: 16 credits*

CSC 412 (4); Electives (6); Electives 300-level+ (6)

*Senior Year First semester: 16 credits*

CSC/CSF elective (4); Gen Ed (4); Elective (4); Electives 300-level+ (3)

*Second semester: 14 credits*

CSC Programming Elective (4); Elective (3); Electives 300-level+ (7)

**ABOUT THE COMPUTER SCIENCE BA DEGREE:**

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

**STEP 1:**

**Major Requirements:**

Course	Semester	Credits	Grade
CSC 106*		4	
CSC 110		4	
CSC 211		4	
CSC 212		4	
CSC 301		4	
CSC 305*		4	
CSC 411 or 412		4	
One CSC or CSF course at the 300-level or above. CSC 392 and 491 may only be used with departmental permission. CSC 494 and 499 will not fulfill this requirement			
		4	
One programming course from: CSC 402, 406, 415, 436, 450, 462, 481, 493			
CSC ____		4	

**Additional Major Requirements**

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

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

(major and general education courses may fulfill this requirement)

Course	Credits	Course	Credits

**Free elective credits**

(to meet the 120 credits required for graduation):

Course	Credits	Course	Credits

\*Course approved for general education credit

**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.
		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.**

## Computer Science BA (2019-2020 Catalog)

### Requirements by Year

The below is a sample plan showing how a student may graduate with this major in 4 years. It is not intended to be prescriptive. Credits in transfer, as well as summer or j-term coursework, may result in deviations from the above recommendations. Students should consult with an advisor to ensure they are on track each semester. For course titles and pre-requisite information, please visit: [uri.edu/catalog](http://uri.edu/catalog)

Fall	Spring	Milestones
<b>Year One</b>		
CSC 106 (B3)	CSC 110	Major and Overall GPA 2.00
WRT 104 or 106 (B1, B4)	WRT 201 or 332	Take math placement exam
MTH 180 (A1, B3)	MTH prerequisite or free elective	Prepare to take math elective in year 2, ensure prerequisites are met
A2 gen ed	A3 gen ed	
Free Elective	A4 gen ed	Complete 30 credits
URI 101		
(17 credits)	(16 credits)	

<b>Year Two</b>		
CSC 211	CSC 212	Major and Overall GPA 2.00
B2 gen ed	MTH Elective	Complete CSC 211 & CSC 212; earn at least a C- in CSC 211
C1 gen ed	C3 gen ed	Consider minor or second major
C2 gen ed	G gen ed	Eligible to move to the College of Arts & Sciences
Free Elective	Upper Level Elective	
(16 credits)	(16 credits)	Complete 60 credits

<b>Year Three</b>		
CSC 301	CSC 411 or 412	Major and Overall GPA 2.00
CSC 305	Upper Level Elective	Consider internship
Upper Level Elective	Upper Level Elective	Meet with advisor to for 300-level or above credit check (42 credits required)
Upper Level Elective	Free Elective	
	Free Elective	Declare minor (optional)
(14 credits)	(16 credits)	Complete 90 credits

<b>Year Four</b>		
CSC 300+ Elective	CSC 402, 406, 415, 436, 450, 462, 481, or 493	Major and Overall GPA 2.00
Upper Level Elective	Upper Level Elective	Complete Intent to Graduate Form by Oct 1st
Upper Level Elective (if needed)	Free Elective	Complete 120 credits
Free Elective	D1 gen ed (if needed)	
(13 credits)	(13 credits)	

**Notice of Change form**

**Notice of Change for: BM, BA and Minor Degrees in Music**

**Date: 9/17/19**

**A. PROGRAM INFORMATION**

**1. Name of institution**

University of Rhode Island

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

Department: Music, Audrey Cardany

College: A&S

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

Initiation date: Fall 2020

First degree date: Spring 2024

**4. Intended location of the program**

Kingston Campus

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

The music department revised the music theory, ear-training & sight-singing, and history sequences for all majors and minors with new courses and course change proposals approved. This NOC addresses how those courses affect all music programs. Curriculum sheets were included in the course proposals, but the NOC was overlooked. Further, the music department is addressing piano proficiency catalog language that was not addressed from Bill 18-18-17B and passed Faculty Senate in March of 2019.

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

# Music

The Department of Music offers a Bachelor of Arts (B.A.) degree with options in music, music history and literature, and jazz studies, and Bachelor of Music (B.M.) degrees with options in composition, music education, and performance. The department also offers Master of Music (M.M.) degrees in music education or performance (including conducting and composition).

For information on the music minors, see the end of this listing.

Faculty: Professor Conley, chairperson. Professors Aberdam, Danis, Parillo, Pollart, and Takasawa; Associate Professor A. Cardany; Assistant Professor V. Aaslid; Senior Lecturers de la Garza, Frazier, and Thomas; Lecturer Goods; Director of Athletic Bands and Lecturer B. Cardany; Guest Artists/Teachers Amon, Azzolina, Berney, Buttery, Cummings, Holt, Jones, Kilcline, Lai, Langone, Maxon-Carpenter, Mitak, Monllos, Mook, Murray, Neves, Phillips, Porter, Sanfilippo, Smith, Volness, Wharton, Wood, and Zinno; Professors Emeriti Fuchs, Gibbs, Kent, Ladewig, Lee, Livingston, and Rankin; Music Resources and Facilities Coordinator Heroux; Accompanists Casola, Chung, Darakyan, and Guss; Piano Technician Van Dine; Fiscal Clerk Peabody; Senior Word Processing Typist Harrington.

## BACHELOR OF ARTS

Students selecting music as a major have three options: jazz studies, music, or music history and literature.

Students can be admitted to the B.A. degree program only after a successful audition in the principal applied music area and should contact the Department of Music for specific requirements. Transfer credits in music theory, music history, and performance must be validated by placement examination. **Placement exams for theory and piano proficiency are administered during audition.**

**Jazz Studies.** Students selecting this option must complete 43 credits in musicianship and music performance as follows: *Musicianship*: MUS 119 (1) (fulfills URI 101 requirement), 120 (2), 121 (2), 122 (2), 225 (2), 226 (2), **115, 116, 117, 118 (8)**, 424 (3), 106 (3), 221 (World Music Unit) (1), **220(3)**, 222 (3) **or 322 (3)**, ~~322 (Jazz and Popular Music Units) (2)~~, 280 (0), 480 (1). *Music Performance: A*: Six semesters of applied music study in the student's principal area of jazz

instrumental performance, (MUS 110W, 210W and 310W) at 2 credits per semester (12). A successful audition is required prior to study in the principal applied area of jazz instrumental performance. Applied study for the B.A. in music with a jazz option is limited to the following instruments: saxophone, trumpet, trombone, piano, string bass, guitar, and drum set. **B:** For saxophone, trumpet, and trombone, two semesters of major ensembles MUS 291, 292, 293, 394, 395, and 397. For piano, string bass, guitar, and drum set, two semesters of MUS 396 and 398J in addition to the requirements in section C below (2). **C:** Two semesters of MUS 391 (2) and three semesters of MUS 396 or 398J (3). At least two of these semesters should be in MUS 396. A successful audition is required prior to participation in jazz ensembles. **D:** MUS 350 with emphasis on jazz styles (0). **E:** Seven semesters of MUS 300 (0). *Electives:* 38 credits, of which a minimum of 30 must be in non-music courses. The department recommends that eight credits of electives be taken in music. At least six of these should be in upper-division music courses. Students who are deficient in keyboard skills must take MUS 171 (1) and 172 (1). MUS 171 and 172 may count as two of the recommended music electives.

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

**Music.** Students selecting this option must complete ~~36~~ **38** credits in musicianship and performance as follows: *Musicianship:* MUS 119 (1); ~~120, 121, 122, 225, 226, 227, 228~~ **115, 116, 117, 118, 215, 216, 217, 218** (14 **16**); ~~221,~~ **220,** 222 (6); 322 or upper-division music history course (3); 280 (0) and 480 **[capstone]** (1). Students who are deficient in keyboard skills must take MUS 171 (1). *Performance:* four semesters of the principal applied music area, at two credits per semester (8); three semesters of ensembles appropriate to the principal applied music area, MUS 291, 292, 293, 394, 395, 396, 397, or 398G (3); seven semesters of MUS 300 (0). A successful audition is required prior to study in the principal applied music area. *Electives:* ~~45~~ 43 credits, of which a minimum of 30 credits must be in non-music courses. The department strongly recommends that ~~15~~ **13** credits of electives be taken in music. At least six of these credits should be in upper-division music courses.

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

**Music History and Literature.** Students choosing this option must complete 43 credits in musicianship and performance, as follows: *Musicianship*: MUS 119 (1); ~~120, 121, 122, 225, 226, 227, 228 (14); 221,~~ **115, 116, 117, 118, 215, 216, 217, 218 (16), 220, 222, 322 (9)**; three upper-division music history courses (9); 280 (0) and 480 **[capstone]** (1). Students who are deficient in keyboard skills must take MUS 171 (1). *Performance*: four semesters of the principal applied music area, at two credits for two semesters and one credit for two semesters (6); three semesters of major ensembles appropriate to the principal applied music area MUS 291, 292, 293, 394, 395, 396, 397, or 398G (3); seven semesters of MUS 300 (0). A successful audition is required prior to study in the principal applied music area. *Electives*: ~~38~~ **36** credits, of which a minimum of 30 must be in non-music courses. The department strongly recommends that ~~eight~~ **six** credits of electives be taken in music. ~~At least six of these credits should be in upper-division music~~ courses. *Other*: nine credits of foreign language and proficiency through 103.

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

#### BACHELOR OF MUSIC

Students selecting the Bachelor of Music degree program have three options: music composition, music education, or music performance.

Students can be admitted to the B.M. degree program only after a successful audition in the principal applied music area and should contact the Department of Music for specific requirements. Transfer credits in music theory, music history, and performance must be validated by placement examination. **Placement exams for theory and piano proficiency are administered during audition.**

All Bachelor of Music students must successfully demonstrate piano proficiency through passing a series of seven examinations or completing MUS 272 with a C or better. Students complete a diagnostic examination during their audition for placement in piano courses, MUS 171, MUS 172, MUS 271 or MUS 272. The highest level of placement is MUS 272. Students who earn the highest placement level or who are accepted as piano majors may elect to pass all seven piano proficiencies **by**

**fall semester of their junior year** before a faculty examination committee in lieu of completion of MUS 272; passing the piano proficiency exam by the end of the fall semester of their junior year results in exemption from enrolling and completing MUS 272. Piano proficiency exams are offered each semester.

Students will need to demonstrate the following seven piano proficiencies by the fall semester of their junior year: 1) *Five-finger patterns*, playing a vocal warm-up sequence, hands together; 2) *scales*, playing two-octave major scales up to three sharps and flats, and one-octave minor scales in all three forms up to three sharps and flats, hands together, by memory at a tempo of M.M.=144 per note; 3) *transposition*, transposing at sight two melodies selected by the examination committee, students will be asked to transpose the melodies up or down by either a half step or whole step; 4) *harmonization*, reading two melodies taken from any major or minor key chosen by the examination committee, improvising suitable accompaniments for the melodies by using diatonic triads and secondary dominants, and reading from chord symbols; 5) *patriotic songs*, playing *America* and *The Star-Spangled Banner* in a manner suitable for accompanying community or school singing; these accompaniments are to be prepared in advance; 6) *sight-reading*, playing at sight selections chosen from a simple accompaniment part and/or beginning-level solo scores; and 7) *repertoire*, playing two prepared piano pieces by contrasting composers; each piece must be approved in advance by a member of the piano faculty or an instructor of class piano (piano majors are exempt from #7).

No student should participate in more than three major ensembles in a single semester.

In addition, students select one of the following options:

**Music Composition.** Students selecting the music composition option must complete eight semesters of applied composition (MUS 110V, 210V, 310V, 410V), two credits per semester (16); eight semesters of MUS 300 (0); and four semesters of secondary applied music areas, one credit per semester (4); **MUS 171, 172, 271 & 272, or if placed at 272 level pass all seven piano proficiencies by fall semester of their junior year before faculty examination committee (0-4).** ~~MUS 171 and 172 are required if students select piano proficiency option II. Students who have not passed the piano proficiency examination by the end of MUS 172 will be expected~~

to take MUS 271 and 272, which can count as secondary applied music areas. Secondary applied credits as needed must come from MUS 110-410 or MUS 169, 170, 173, 175, 177, or 179; **MUS 217 & 272 may count as secondary applied music areas.** Also required are eight semesters of major ensembles MUS 292, 293, 394, 395, or 397 appropriate to the principle applied music area (8). For the studio composition specialization, credits in MUS 396 may be included. Also required are MUS 119 (1); ~~MUS 120, 121, 122, 225, 226, 227, 228,~~ **115, 116, 117, 118, 215, 216, 217, 218 (16),** 416 (~~17~~ **19**); ~~221~~ **220,** 222, 322 (9); 235 (2) and 311 (2), 417, 420, and 421 (9) (for students wishing to specialize in studio composition, three credits of MUS 424 may be substituted for MUS 420); an upper-division music history course (3); MUS 450 Senior Composition Recital [capstone] (0); MUS 280 (0) and 480 [capstone] (2); and six credits of electives, at least three of which should be in upper-division music courses.

A minimum of 120 credits is required for graduation.

**Music Education.** Visit the [Office of Teacher Education](#) and refer to the [School of Education](#) section of this catalog for admission requirements for teacher education programs. Completing all requirements in the music education option leads to an initial teaching certificate for music in grades **PK-12**. Students selecting this option must complete 89 credits in *Studies in Music* and *Professional Education*, as follows:

*Studies in Music* (64 credits): seven semesters of the principal applied music area (instrument or voice must be selected from MUS 110-410 A-U, W only; two credits per semester (14). Seven semesters of MUS 300 (0); senior recital MUS 450 **[capstone]** (0). Four semesters of secondary applied music areas, one credit per semester (4); MUS 171 and 172 are required as secondary applied music areas if students select piano proficiency option II. Students who have not passed the piano proficiency exam by the end of MUS 172 will be expected to take MUS 271 and 272, which can count as secondary applied music areas. Other secondary applied credits as needed must come from MUS 110-410 (in an applied area other than the principal applied music area). **piano proficiency MUS 171, 172, 271 & 272 or if placed at 272 level pass all seven piano proficiencies by fall semester of their junior year before faculty examination committee (0-4);** Seven semesters of major ensembles appropriate to the principal applied music area, at 0-1 credit per semester (6). Major ensembles include MUS 292, 293, 394, 395, 396, and 397; no

more than two semesters of MUS 291 and/or 396 can count toward the major ensemble requirement. MUS 119 (1); ~~120, 121, 122, 225, 226, 227, 228 (14);~~ **115, 116, 117, 118, 215, 216, 217 and 218 (16), and** 416 or 417 (3); ~~221,~~ **220,** 222, 322 (9). MUS 169, 170, 173, 175, 177, 179 (6); 235 (2); 311, 312 (5).

*Professional Education* (28 credits): Students pursuing the music education option must apply for admission to the [Office of Teacher Education](#) in the School of Education; see [Education](#) for admission requirements. MUS 238, 339, 340, 376, 476 (11); EDC 250 (1), 484 (12), 485 (3); PSY 113 (3). The piano proficiency examinations ~~or MUS 171, 172, 271 & 272, Options I or II,~~ the Praxis II: Principles of Learning and Praxis II: Music Content Knowledge, and all courses required for the music education option must be successfully completed before supervised student teaching (EDC 484) and student teaching seminar (EDC 485). Students may wish to enroll in EDC 312 (3) in order to prepare for the Praxis II: Principles of Learning.

A minimum of 131 credits is required for graduation.

**Music Performance.** All students in the music performance option must take the following music courses: eight semesters of MUS 300 (0); MUS 350 (0) and 450 **[capstone]** (0); MUS 119 (1); ~~120, 121, 122, 225, 226, 227, 228,~~ **115, 116, 117, 118, 215, 216, 217, 218 (16),** 416 (~~17~~ **3**); ~~221,~~ **220,** 222, 322 (9). MUS 235 (2) and 442 (2); 311 (2); 280 (0); 480 **[capstone]** (2). Students in the jazz option must take MUS 424 in place of MUS 416. Jazz option students must also take MUS 106 (3).

A minimum of 124 credits is required for graduation. In addition, students must select one of the following five sub-options:

*Classical Guitar:* eight semesters of the principal applied music area. Two semesters of MUS 110T at two credits in the first semester and three credits in the second (5); two semesters of MUS 210T at three credits each (6); two semesters of 310T and 410T at four credits each (16). **Courses for piano proficiency MUS 171, 172, 271 & 272, or if placed at 272 level must pass all seven piano proficiencies by the fall semester of their junior year before a faculty examination committee (0-4);** ~~MUS 171 and 172 (2). Students who have not passed the piano proficiency examination by the end of MUS 172 will be expected to take MUS 271 and 272.~~ Four semesters of major ensembles MUS 292, 293, 394, 395, 396, or 397 (4). Four semesters of guitar ensemble (MUS 398G) and three semesters of playing guitar in chamber music

ensembles (MUS 398) (7). An upper-division music history course (3); an upper-division music theory course (3). Four credits of electives, at least three of which should be in upper-division music courses.

*Jazz (limited to saxophone, trumpet, trombone, piano, guitar, string bass, and drum set):* eight semesters of the principal jazz applied music area. Two semesters of MUS 110W at two credits in the first semester and three credits in the second (5); two semesters of MUS 210W at 3 credits each (6); two semesters of 310W and 410W at four credits each (16). MUS 171 and 172 (2). **Courses for piano proficiency MUS 171, 172, 271 & 272, or if placed at 272 level must pass all seven piano proficiencies by the fall semester of their junior year before a faculty examination committee (0-4);** ~~Students who have not passed the piano proficiency examination by the end of MUS 172 will be expected to take MUS 271 and 272.~~ Two semesters of major ensembles MUS 291, 292, 293, 394, 395, or 397 (4). Two semesters of jazz studio ensemble (MUS 396), two semesters of jazz studio lab (MUS 391), and four semesters of chamber music ensembles/jazz (MUS 398J) (8). An upper-division music history course or an upper-division music theory course (3). Three credits of electives which should be in upper-division music courses.

*Orchestral Instrument:* eight semesters of the principal applied music area. Two semesters of MUS 110 at two credits in the first semester and three credits in the second (5); two semesters of MUS 210 at three credits each (6); two semesters of 310 and 410 at four credits each (16). ~~MUS 171 and 172 (2). Students who have not passed the piano proficiency examination by the end of MUS 172 will be expected to take MUS 271 and 272.~~ **Courses for piano proficiency MUS 171, 172, 271 & 272, or if placed at 272 level must pass all seven piano proficiencies by fall semester of their junior year before faculty examination committee (0-4);** Eight semesters of major ensembles MUS 292, 394, or 397 (8). Three semesters of secondary or chamber music ensembles (3). An upper-division music history course (3); an upper-division music theory course (3). Four credits of electives, at least three of which should be in upper-division music courses.

*Piano or Organ:* eight semesters of the principal applied music area. Two semesters of MUS 110B or C and 210B or C at three credits each (12); two semesters of 310B or C and 410B or C at four credits each (16). ~~All students pursuing this sub-option must pass the piano proficiency examination by the end of the second semester of the junior year. Keyboard majors can waive MUS 171, 172, 271, and 272, courses~~

~~normally taken to develop the skills necessary to pass the piano proficiency examination.~~ MUS 272 with C or better or passing the piano proficiency exam by the end of the fall semester of the junior year (0-1). Four semesters of major ensembles MUS 292, 293, 394, 395, or 397 (4). Six semesters of piano accompanying (MUS 371) or playing piano in chamber music ensembles (MUS 398) (6). MUS 420 (3). An upper-division music history course (3). Six credits of electives, at least three of which should be in upper-division music courses.

*Voice:* eight semesters of the principal applied music area. Two semesters of MUS 110A at two credits in the first semester and three credits in the second (5); two semesters of MUS 210A at three credits each (6); two semesters of 310A and 410A at four credits each (16). ~~MUS 171, 172, 271, and 272 (4).~~ Courses for piano proficiency MUS 171, 172, 271 & 272, or if placed at 272 level must pass all seven piano proficiencies by fall semester of their junior year before faculty examination committee (0-4); Eight semesters of major ensembles MUS 293 or 395 at zero or one credit per semester (7). Two semesters of chamber or other music ensembles (2). MUS 283 (3). Four credits of electives, at least three of which should be in upper-division music courses.

Students selecting voice must also take nine credits of foreign language in two or more languages. This requirement may be modified or satisfied by advanced placement.

## Minors in Music

**Jazz Studies.** Students who wish to declare a minor in music using the jazz studies option must complete ~~19~~ 20 credits in musicianship, performance, and electives as follows: Musicianship: MUS 106 (3) or 220(3), ~~120 (2), 121 (2), 122 (2),~~ 115, 116, 117, 118 (8), 171 (1), ~~221 (World Music Unit) (1), 322 (Jazz and Popular Music Units) (2),~~ and MUS 300 for a minimum of two semesters (0). Music Performance: a minimum of four credits in the principal applied music area (MUS 110W, 210W, at one or two credits per semester) (4), and two semesters of MUS 391, 396, or 398J (2). Applied study in MUS 110W and 210W for the minor in jazz option is limited to the following instruments: saxophone, trumpet, trombone, piano, bass,

guitar, and drum set. *Electives:* ~~The department strongly suggests that 3 credits be taken in MUS 101.~~ Participation in other major ensembles is also encouraged. Major ensembles include MUS 291, 292, 293, 394, 395, 397, and 398G, pending audition. Students can be admitted to the Minor degree program only after a successful audition in the principal applied music area and should contact the Department of Music for specific requirements. Transfer credits in music theory, music history, and performance must be validated by placement examination. **Placement exams for theory and piano proficiency are administered during audition.**

**Music Studies.** This option gives students a ~~broad-based~~ background in **the study of** music. Course work in this option is similar to that taken by students starting work toward a B.A. or B.M. degree in music. Students who wish to declare a minor in music using the music **studies** minor option must earn credit for ~~MUS 111 (3) or MUS 115, 116, 117, 118 (8), 120 (2); 171 (1), 121 and 122 (4)~~ **220 (3), and an addition 3 credits from the following: 101, 301, 311, 322, 407 or 408 (3).** MUS 300 for a minimum of two semesters (0); ~~and two 3-credit music history and literature courses selected from MUS 221, 322, 408, 430, 431, 433, 434 (or 222, if the student has the additional pre-requisites) (6).~~ Additionally, students must earn a minimum of **two semesters** ~~four credits~~ in their principal applied music area (MUS 110-410A-U, at one **credit** or two credits per semester) **(2);** and ~~four~~ **a minimum of two** credits in major ensembles\* appropriate to the principal applied music area **(4 8).** **An additional 3 credits in music studies electives are required and selected from the following: additional applied music (MUS 210), additional major ensembles (MUS 291, 292, 293, 394, 395, 397), MUS 398 or MUS 235. A minimum of 12 credits must be at the 200-level; students may select from the approved music electives to reach this requirement.** The minimum number of credits required for this option is 21.-22. Students can be admitted to the Minor degree program only after a successful audition in the principal applied music area and should contact the Department of Music for specific requirements. Transfer credits in music theory, music history, and performance must be validated by placement examination.

**Music Performance.** This option gives students the opportunity for a more concentrated study in voice or on an instrument. Students who wish to declare a minor in music using the music performance minor option must earn credit for MUS 111 (3) ~~or 120 (2); MUS 121 and 122~~ **115 and 116** or a music history course selected from MUS 101, 106, ~~221,~~ **220,** 322, 408, 430, 431, 433, 434 (3-4); MUS 300 for a minimum of two semesters (0). Additionally, students must earn a minimum

of eight credits in their principal applied music area (MUS 110-410 A-U at one or two credits per semester) and six credits in major ensembles\* appropriate to the principal applied music area (14). The minimum number of credits required for this option is 19-21. Students can be admitted to the Minor degree program only after a successful audition in the principal applied music area and should contact the Department of Music for specific requirements. Transfer credits in music theory, music history, and performance must be validated by placement examination.

**Music Voice Performance for Theatre Majors.** The purpose of this option is to give students who are theatre majors the opportunity for more concentrated and focused study in voice and other areas of music. Theatre students who wish to declare this minor must earn credit for MUS 111 (3) or **115 and 116 (4);** ~~120 (2) and 121 (2);~~ a music history course selected from MUS 101, 106, ~~221-220, 222, 322,~~ 408, 430, 431, 433, 434 (3); MUS 300 for one semester (1). Additionally, students must earn a minimum of eight credits in voice over four semesters (MUS 110A (2), 110A (2), 210A (2), 210A (2)), and three semesters in MUS 395 (audition required), MUS 293 (1), or MUS 485 (1), with MUS 485 being limited to one semester. Students can be admitted to the Minor degree program only after a successful audition in the principal applied music area and should contact the Department of Music for specific requirements. Transfer credits in music theory, music history, and performance must be validated by placement examination. The minimum number of credits required for this option is 18.

**Individual Music.** This option gives students more flexibility. These students design and develop their music minor program under the advisement and sponsorship of a full-time music faculty member. Petitions outlining and justifying the desired music minor program must be presented by the faculty sponsor to the music faculty for approval. A minimum of 18 credits is required. Petitions should be submitted as early as possible in a student's undergraduate program.

*\*Music ensembles include MUS 291, 292, 293, 394, 395, 396, and 397. Up to one semester of MUS 291 can count toward the major ensemble requirement in the music minor option; up to two semesters of MUS 291 can count toward the major ensemble requirement in the music performance option. Those with a major applied area in guitar can count MUS 398G for guitar ensemble as a major ensemble. Those with a*

*major applied area in piano can count additional applied music credits (MUS 110-410) and/or accompanying (MUS 371) in lieu of the major ensemble requirements.*

**7. Signature of the President**

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David M. Dooley

**Notice of Change form**

**Notice of Change for Department of Physics:** Allow PHY452 or PHY570 for the graduation requirement for the Physics BS degree.

**Date:** 6/14/19

**A. PROGRAM INFORMATION**

**1. Name of institution**

University of Rhode Island

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

Department: Physics

College: A&S

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

Initiation date: 1/2020

First degree date: 5/2020

**4. Intended location of the program**

College of Arts and Sciences, URI, Kingston

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

Allow either PHY452(3) or PHY570(3) to satisfy the major requirement for the Physics BS degree.

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

See Attached

Chair, Department of Physics: Leonard M. Kahn

Dean, College of Arts and Sciences:

**7. Signature of the President**

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David M. Dooley

# Physics

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## BACHELOR OF SCIENCE

This curriculum provides a general background in both theoretical and experimental physics. It forms a foundation for further study at the graduate level toward an advanced degree, and also prepares the student for a career as a professional physicist in industry, education, or government. Initiative, independent solution of laboratory problems, and research are encouraged in the advanced laboratory courses.

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*Freshman Year First semester: 14 credits*

MTH 141 (4); PHY 203/273 (4), General Education requirements and electives (6).

*Second semester: 16 credits*

MTH 142 (4); PHY 204/274 (4), General Education requirements and electives (8).

*Sophomore Year First semester: 17 credits*

CSC 211 (4); MTH 243 (3); PHY 205/275 (4), General Education requirements and electives (6).

*Second semester: 14 credits*

MTH 244 (3); PHY 306 (3), 410 (3), General Education requirements and electives (5).

*Junior Year First semester: 14 credits*

PHY 322 (3), 381 (3); MTH 215 (3), General Education requirements and electives (5).

*Second semester: 17 credits*

Mathematics elective at the 300 or 400 level (3), PHY 331 (3), 382 (3), General Education requirements and electives (8).

*Senior Year First semester: 13 credits*

PHY 401 (1), 420 (3), 451 (3), 483 (3), General Education requirements and electives (3).

*Second semester: 15 credits*

PHY 452 (3) [or 570 \(3\)](#), 455 (3), 484 (3), 510 (3), General Education requirements and electives (3).