

**ABOUT THE COMPUTER SCIENCE BS DEGREE:**

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

**STEP 1:**

**Major Requirements:**

Course	Semester	Credits	Grade
CSC 106*		4	
CSC 110		4	
CSC 211		4	
CSC 212		4	
CSC 301		4	
CSC 305*		4	
CSC 340		4	
CSC 411		4	
CSC 412		4	
CSC 440		4	
CSC 499		4	
Two CSC or CSF courses at the 300-level or above. CSC 392, 491 may only be used with departmental permission. CSC 494 and 499 may not be used. Only one course may be CSF.			
		4	
		4	
One course from: CSC 402, 406, 415, 436, 450, 462, 481, 493			
CSC ____		4	

**Additional Major Requirements**

Course	Semester	Credits	Grade
MTH 180*		3	
MTH 141*		4	
MTH 142*		4	
One course from: MTH 215, 243*, 244, 322, 362, 382, ISE 332, STA 307, 308, 409, 411, 412			
		3 or 4	
Two courses from: PHY 203/273*, 204/274*, CHM 101/102*, 112/114, BIO 101*, 102*, GEO 103*, OCG 123G*			
		3 or 4	
		3 or 4	
One course chosen from the following: WRT 104*, 106*, HPR 112			
		3	
WRT 201* or 332*		3	

**Free elective credits**

(to meet the 120 credits required for graduation):

Course	Credits	Course	Credits

\*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 BS (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)	MTH prerequisite or free elective	Take math placement exam
MTH 180 (A1, B3)	Science Elective	Prepare to take MTH 141 in year 2, ensure prerequisites are met
A2 gen ed	A4 gen ed	
A3 gen ed	B2 gen ed	
URI 101		
(17 credits)	(16 credits)	Complete 30 credits

<b>Year Two</b>		
CSC 211	CSC 212	Major and Overall GPA 2.00
MTH 141 (A1, B3)	MTH 142 (A1, B3)	Complete CSC 211 & CSC 212; earn at least a C- in CSC 211
C1 gen ed	WRT 201 or 332	Earn at least a C- in MTH 141 to take MTH 142
C2 gen ed	C3 gen ed	Eligible to move to the College of Arts & Sciences
Free elective		
(17 credits)	(14 credits)	Complete 60 credits

<b>Year Three</b>		
CSC 301	CSC 340	Major and Overall GPA 2.00
CSC 305	CSC 412	Consider internship
MTH Elective	D1 gen ed (if needed)	Declare minor (optional)
Science Elective	Free Elective	Complete 90 credits
(14 credits)	(14 credits)	

<b>Year Four</b>		
CSC 411	CSC 499	Major and Overall GPA 2.00
CSC 440	CSC/CSF 300+ Elective	Complete Intent to Graduate Form by Oct 1st
CSC/CSF 300+ Elective	CSC 402, 406, 415, 436, 450, 462, 481, or 493	Complete 120 credits
G gen ed (if needed)	Free Elective (if needed)	
(15 credits)	(15 credits)	