

Bachelor of Science (BS) Computer Science

2017-2018

Degree Plan Tentative Pending University Approval

	! H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	3	Choose 1	Communication (Core)	С	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in ENGL 1301/1387.	See General Education Core for more details Options: ENGL 1301 or ENGL 1387 (H)
	4	MATH 2413	Calculus I	С	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	
FALL	1	CSCI 1101	Introduction to Computer Science				
AR			Engineering Computer Science I	С		Grade of 'C' or better in MATH 1314 or placement in a higher level Math course. Co-requisite: CSCI 1170 (or CSCI 1178).	
E E	1		Engineering Computer Science I Laboratory			Corequisite: CSCI 1370 (or CSCI 1378).	
\subseteq			Learning Framework				Only if required, based on ACT/SAT and high school rank.
SS	12 Semester Total Hours						
FI	3		Communication (Core)	С	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in ENGL 1301/1387.	(H) designates Honors sections of courses.
2	4	MATH 2414	1			MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
SPRING	4		Life and Physical Sciences (Core)		030		MUST be BIOL, CHEM, PHYS
F.	3	Choose 1	American History (Core)		060		HIST 1301 OR HIST 1387 OR HIST/MASC 2327
0,	3	CSCI 2380	Computer Science II			CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor.	OR CSCI 2388
	17 Semester Total Hours						
	- 17	<u>Jeniestei i</u>	otal Hours				
	! H		Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	! H	Course #			GEC 090	Prerequisite	
	! H	Course #	Course Title				Additional Notes MUST be BIOL, CHEM, PHYS to pair with previously taken 030 course
ALL	! H	Course # COMM 1315 Choose 1	Course Title Public Speaking Life and Physical Sciences		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor.	MUST be BIOL, CHEM, PHYS to pair with previously taken
EAR FALL	! H	Course # COMM 1315 Choose 1 CSCI 2344	Course Title Public Speaking Life and Physical Sciences		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of	MUST be BIOL, CHEM, PHYS to pair with previously taken
YEAR	! H 3 4 3 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of	MUST be BIOL, CHEM, PHYS to pair with previously taken
YEAR	! H 3 4 3 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333 Semester T	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language otal Hours		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor.	MUST be BIOL, CHEM, PHYS to pair with previously taken
COND YEAR FALL	! H 3 4 3 3 13 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333 Semester T CSCI 3334	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language otal Hours Systems Programming		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 2380; and CSCI 2333, ELEE 3435.	MUST be BIOL, CHEM, PHYS to pair with previously taken
YEAR	! H 3 4 3 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333 Semester T CSCI 3334	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language otal Hours		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor.	MUST be BIOL, CHEM, PHYS to pair with previously taken 030 course
SECOND YEAR	! H 3 4 3 3 13 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333 Semester T CSCI 3334 CSCI 3310 Choose 1	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language otal Hours Systems Programming		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 2380; and CSCI 2333, ELEE 3435.	MUST be BIOL, CHEM, PHYS to pair with previously taken
YEAR	! H 3 4 3 3 3 3 3 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333 Semester T CSCI 3334 CSCI 3310 Choose 1 CSCI 3326	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language otal Hours Systems Programming Mathematical Foundations of Computer Science		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 2380; and CSCI 2333, ELEE 3435.	MUST be BIOL, CHEM, PHYS to pair with previously taken 030 course Must be PHYS, CHEM, or BIOL from degree plan Section C
SECOND YEAR	! H 3 4 3 3 3 13 4 3 3 3 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333 Semester T CSCI 3334 CSCI 3310 Choose 1 CSCI 3326 or 3327 or 3328	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language otal Hours Systems Programming Mathematical Foundations of Computer Science Basic Science (Support Course) Object Oriented Programming, Java or Visual Basic		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 2380; and CSCI 2333, ELEE 3435.	MUST be BIOL, CHEM, PHYS to pair with previously taken 030 course Must be PHYS, CHEM, or BIOL from degree plan Section C (support courses) Basic Sciences
SECOND YEAR	! H 3 4 3 3 3 13 4 3 3 3 3	Course # COMM 1315 Choose 1 CSCI 2344 CSCI 2333 Semester T CSCI 3334 CSCI 3310 Choose 1 CSCI 3326 or 3327 or 3328 ELEE 2330	Course Title Public Speaking Life and Physical Sciences Programming in Unix/ Linux Environment Computer Organization and Assembly Language otal Hours Systems Programming Mathematical Foundations of Computer Science Basic Science (Support Course) Object Oriented Programming, Java or Visual Basic or Object Oriented Programming in C#		090	CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor. CSCI 2380; and CSCI 2333, ELEE 3435. MATH 2413 with grade of 'C' or better; and CSCI 1370 (or CSCI 1378).	MUST be BIOL, CHEM, PHYS to pair with previously taken 030 course Must be PHYS, CHEM, or BIOL from degree plan Section C (support courses) Basic Sciences

Symbols Key

Critical ('!'): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary; 090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

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Design and ating Systems or r CSCI 4345
AT 3331
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ASC 2328
irse options.

Graduation Requirements

Progression requirements: Students must receive a grade of 'C' or better in all courses that are prerequisites for civil engineering courses. Graduation requirements: 1. Students must receive a grade of 'C' or better in all civil engineering courses. 2. In addition to the graduation requirements listed in the UTRGV 2015-2017 Undergraduate Catalog, demonstration of proficiency in a language other than English is required at the undergraduate level equivalent to a minimum of six credit hours. Proficiency can be demonstrated by a college credit exam, a placement test approved through the UTRGV Department of Writing and Language Studies, and/or up to six credit hours of college-level language coursework.

124 TOTAL HOURS
(48) TOTAL ADVANCED HOURS
Approved:
Revised: Wednesday, June 21, 2017

CORE: The 2017-2018 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core www.utrgv.edu/core