THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY
AND
TEXAS SOUTHMOST COLLEGE

Articulation Agreement
Associate of Science in Computer Science (Texas Southmost College)
Bachelor of Science in Computer Science (UTRGV)

This AGREEMENT, effective the 1st of October, 2020, is between The University of Texas Rio Grande Valley ("UTRGV"), a component institution of The University of Texas System, and Texas Southmost College ("TSC"), a College having its principal office in Brownsville, Texas.

WHEREAS UTRGV and TSC desire to implement an Articulation to provide students enrolled at TSC with an opportunity to smoothly transition to and further their educational opportunity at UTRGV.

WHEREAS, students declaring Computer Science as their major at TSC and completing the courses outlined below is an indicator to UTRGV that the student has completed the appropriate courses, received the necessary instructions and preparation, and that similar knowledge, skills, and student learning outcomes can be expected, enabling the student's progression to the upper division course sequence or requirement at UTRGV,

NOW, THEREFORE, in consideration of the mutual promises herein, the parties agree to the following:

1.0   Term

        This agreement shall be effective for two years from the date of its execution, upon revisions mandated by state requirements, or until a new agreement is created. The agreement may be renewed upon the mutual written approval of The University of Texas Rio Grande Valley and Texas Southmost College.

2.0   Courses of Study

        UTRGV's College of Engineering and Computer Science will accept the complete set of lower division courses from a student who successfully completes courses outlined below from TSC and is admitted to UTRGV.

        - A total of 60 semester credit hours from the Associate of Science in Computer Science degree at TSC will transfer into the UTRGV Bachelor of Science degree in Computer Science.

        - All TSC courses transferred to UTRGV shall be part of the *Lower Division Academic Course Guide Manual* issued by the Texas Higher Education Coordinating Board.

        - For the UTRGV Bachelor of Science degree in Computer Science, the following TSC Associate of Science degree in Computer Science field of study electives will satisfy degree requirements as follows:

TSC	UTRGV
COSC 1336 Programming Fundamental I	CSCI 1101 Introduction to Computer Science + CSCI 1170 Computer Science for Majors I Lab
COSC 1337 Programming Fundamentals II	CSCI 1370 Computer Science for Majors I
COSC 2336 Programming Fundamentals III	CSCI 2380 Computer Science II
COSC 2425 Computer Organization	CSCI 2333 Computer Organization and Assembly Language

    2.1   In accordance with Sec 61.822 of the Texas Education Code, a student who successfully completes courses in the TSC core curriculum will receive academic credit at UTRGV for each of the core courses transferred. However, there are circumstances when additional classes are required by the major even when core is complete.

2.2   Transfer students are encouraged to complete their Associate of Science at TSC prior to completion of their first semester of study at UTRGV. TSC and UTRGV faculty will work with students to help promote the completion of the associates degree in a timely fashion.

2.3   This Articulation Agreement will be published and provided as a transfer guide during academic advisement at TSC.

3.0   <u>Designated Liaison</u>

Each institution designates the following officials to serve as its liaison to coordinate and facilitate activities under this Articulation Agreement and to address any concerns or disputes that may arise relating to the terms and conditions of this Articulation Agreement.

Texas Southmost College:
Mrs. Renata Lara
Director, Computer Information Systems
Phone: 956-295-3746
E-Mail: Renata.lara@tsc.edu

The University of Texas Rio Grande Valley:
Dr. Emmett Tomai
Chair, Computer Science Department
Phone: 956-665-3520
E-Mail: Emmett.tomai@utrgv.edu

Executed by the undersigned representatives of the two institutions on October 1st, 2020

APPROVED:

THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY

TEXAS SOUTHMOST COLLEGE

Dr. Janna Arney   1/28/2021
Interim Provost

Dr. Jesús Roberto Rodríguez 02/01/2021
President

Dr. Ala Qubbaj   1/28/2021
Dean, College of Engineering and Computer Science and Mathematics

Joanna Kile (Jan 28, 2021 16:50 CST)
Dr. Joanna Kile   01/28/2021
Vice President, Instruction

The University of Texas Rio Grande Valley/Texas Southmost College
Suggested Four-Year Road Map for Transfer Students, Academic Year 2020-2021

This Road Map is a tool to assist you and your advisor in planning your academic program.
Use it along with your program's official degree plan.

Associate of Science in Computer Science and Bachelor of Science in Computer Science

First Year - Fall Semester - TSC	Hours	First Year - Spring Semester - TSC	Hours
COSC 1336 Programming Fundamentals I	3	COSC 1337 Programming Fundamentals II	3
MATH 2412 Pre-Calculus [1]	4	MATH 2413 Calculus I	4
ENGL 1301 Composition I - Core Curriculum	3	ENGL 1302 Composition II - Core	3
HIST 1301 United States History I - Core	3	HIST 1302 United States History II	3
XXXX X3XX Social & Behavioral Sciences - Core	3	XXXX X3XX Creative Arts Elective - Core	3
Total Fall Semester Hours	**16**	**Total Spring Semester Hours**	**16**
Summer I		**Summer II**	
Total Summer I Hours	**0**	**Total Summer II Hours**	**0**

Second Year - Fall Semester - TSC	Hours	Second Year - Spring Semester - TSC	Hours
COSC 2336 Programming Fundamentals III	3	COSC 2425 Computer Organization [2]	4
MATH 2414 Calculus II	4	PHYS 2326 University Physics II	3
PHYS 2325 University Physics I	3	PHYS 2126 University Physics Lab II	1
PHYS 2125 University Physics Lab I	1	GOVT 2306 Texas Government	3
GOVT 2305 Federal Government - Core	3	XXXX X3XX Language, Philosophy & Culture [3]	3
Total Fall Semester Hours	**14**	**Total Spring Semester Hours**	**14**
Summer I		**Summer II**	
UTRGV CSCI 2344 Programming in Unix	3		
UTRGV COMM 1315 Public Speaking	3		
Total Summer I Hours	**6**	**Total Summer II Hours**	

Third Year - Fall Semester - UTRGV	Hours	Third Year - Spring Semester - UTRGV	Hours
CSCI 3310 Mathematical Foundations of Computer Science	3	CSCI 3333 Algorithms & Data Structures	3
CSCI 3326 Java or 3327 OOP or 3328 C# or 3329 Python	3	Integrative/Experimental Learning (090 Core)	1
ELEE 2330 + 2130 Digital Systems	4	CSCI 3340 Software Engineering I	3
ENGL 3342 Technical Communication	3	MATH 2318 Linear Algebra	3
CS Elective – 4333,4334,4335 or 4345 (1 of 2)	3	Free Elective Any Level	3
		PHIL 2326 Professional Ethics: Engineering	3
Total Fall Semester Hours	**16**	**Total Spring Semester Hours**	**16**
Summer I		**Summer II**	
Total Summer I Hours	**0**	**Total Summer II Hours**	**0**

Fourth Year Fall Semester - UTRGV	Hours	Fourth Year Spring Semester - UTRGV	Hours
CSCI 3336 Organization of Programming Languages	3	CSCI 4390 Senior Project	3
CS Elective – 4333,4334,4335, or 4345 (2 of 2)	3	CSCI X3XX CSCI Advanced Computer Science Elective	3
CSCI X3XX CSCI Advanced Computer Science Elective	3	CSCI 4325 Automata, Formal Languages, and Computability	3
Support Courses - Probability	3	CSCI X3XX CSCI Computer Science Elective	3
Free Elective Any Level	2		
Total Fall Semester Hours	**14**	**Total Spring Semester Hours**	**12**
		Total Degree Hours	*124*

Note: This bachelor's degree requires 124 total credit hours, and 42 advanced hours. All Computer Science courses in the degree plan except the Computer Science Electives must be completed with a grade 'C' or better.

[1] MATH 2412 is course equivalent for 1 Elective - Any Level (2 hours).

[2] COSC 2425 is course equivalent for CSCI 2333 (3 hours).

[3] The Language, Philosophy & Culture will fulfill UTRGV Free Elective any level BS Computer Science degree requirements.

Updated 8/31/2020