

THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY
AND
SOUTH TEXAS COLLEGE

Articulation Agreement
B.S. in Manufacturing Engineering

This AGREEMENT, effective the 12th of December 2016, is between The University of Texas Rio Grande Valley (“UTRGV”), a component institution of The University of Texas System, and South Texas College (“STC”), a College having its principal office in McAllen, Texas.

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

WHEREAS, successful completion of an academic associate degree at STC 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 executive or upon revisions mandated by state requirements. The agreement may be renewed upon the mutual written approval of The University of Texas Rio Grande Valley and South Texas College.

2.0 Courses of Study

UTRGV’s Manufacturing and Industrial Engineering Department will accept the complete set of lower division courses from a student who receives an A.S. in Engineering from STC and is admitted to UTRGV.

- The total number of transfer hours will be capped at half the required credit hours needed to earn a B.S. in Manufacturing Engineering unless otherwise approved by the receiving institution’s department chair.
- All STC 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 B.S. in Manufacturing Engineering, the following STC A.S. in Engineering field of study electives will transfer as follows:

STC

ENGR 1201 Introduction to Engineering
ENGR 1304 Engineering Graphics
ENGR 2301 Statics *and*
ENGR 2302 Dynamics *or*
ENGR 2303 Statics & Dynamics
ENGR 2405 Electrical Circuits I
CHEM 1411 General Chemistry I

MATH 2414 Calculus II
MATH 2415 Calculus III
MATH 2420 Differential Equations

UTRGV

MANE 1101 Intro. to Manufacturing Engineering
MANE 1204 Engineering Graphics

MANE 2403 Engineering Mechanics
ELEE 2317 Electrical/Electronic Systems
CHEM 1311/1111 General Chemistry *or*
CHEM 1307/1107 Chemistry for Engineers
MATH 2414 Calculus II
MATH 1415 Calculus III
MATH 3341 Differential Equations

- 2.1 In accordance with Sec 61.822 of the Texas Education Code, a student who successfully completes courses in the STC core curriculum will receive academic credit at UTRGV for each of the core courses transferred.
- 2.2 Transfer students must apply for admission and meet requirements to UTRGV and the Engineering College. Transfer students are encouraged to complete their A.S. in Engineering at STC prior to completion of their first semester of study at UTRGV. STC 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 both institutions.

3.0 Designated Liaison

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.

South Texas College:

Dr. Enriqueta Cortez
Chair, Physical Science, Chemistry, and Engineering Dept.

The University of Texas Rio Grande Valley:

Dr. Rajiv Nambiar
Chair, Manufacturing and Industrial Engineering Dept.

Executed by the undersigned representatives of the two institutions on December 12, 2016

APPROVED:


THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY

SOUTH TEXAS COLLEGE


Dr. Havidán Rodríguez
Provost/Executive Vice President for Academic Affairs


Dr. Anahid Petrosian
Vice President for Academic Affairs


Dr. Ali Esmaeili
Dean, Math, Science, and Bachelors Programs


Dr. Alexander Domijan, Jr.
Dean, College of Engineering and Computer Science

The University of Texas Rio Grande Valley/South Texas College
Suggested Four-Year Road Map for Transfer Students, Academic Year 2016-2017

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

Degree: BS Major: Manufacturing Engineering					
First Year - Fall Semester - STC		Hours	First Year - Spring Semester - STC		Hours
ENGL 1301	Composition	3	ENG 1302	Composition II - Rhetoric	3
HIST 1301	U.S. History I	3	PHYS2425	University Physics I	4
MATH 2413	Calculus I	4	ENGR 1304	Engineering Graphics	3
CHEM 1411	General Chemistry I	4	MATH 2414	Calculus II	4
ENGR 1201	Introduction to Engineering	2			
Total Fall Semester Hours		16	Total Spring Semester Hours		14
Summer I			Summer II		
Total Summer I Hours		0	Total Summer II Hours		0
Second Year - Fall Semester - STC		Hours	Second Year - Spring Semester - STC		Hours
MATH 2415	Calculus III	4	Creative Arts Elective		3
GOVT 2305	Federal Government	3	GOVT 2306	Texas Government	3
PHYS 2426	University Physics II	4	ENGR 2405	Electrical Circuits	4
ENGR 2301	Statics	3	ENGR 2302	Dynamics	3
			HIST 1302	U.S. History II	3
Total Fall Semester Hours		14	Total Spring Semester Hours		16
Summer I			Summer II		
MANE 2332	Engineering Statistics (UTRGV)	3	CSCI 1380	Intro. to Computer Programming (UTRGV)	3
PHIL 2306	Introduction to Ethics (STC/UTRGV)	3	ECON 2301	Princ. of Econ. I Macro (STC/UTRGV)	3
Total Summer I Hours		6	Total Summer II Hours		6
Third Year - Fall Semester - UTRGV		Hours	Third Year - Spring Semester - UTRGV		Hours
MANE 4352	Manufacturing Simulation	3	MANE 3364	Manufacturing Processes	3
MANE 3300	Computer-Aided Design	3	MANE 3164	Manufacturing Process Lab	1
MATH 3341	Differential Equations	3	MANE 3337	Engineering Economics	3
MANE 3351	Manufacturing Engineering Analysis	3	MANE 3340	Fundamentals of Industrial Engineering	3
MECE 2340	Engineering Materials	3	MANE 43xx	TECH ELEC I	3
MECE 2140	Engineering Materials Lab	1	MANE 4340	Operations Research	3
Total Fall Semester Hours		16	Total Spring Semester Hours		16
Summer I			Summer II		
Internship			Internship		
Total Summer I Hours		0	Total Summer II Hours		0
Fourth Year Fall Semester - UTRGV		Hours	Fourth Year Spring Semester - UTRGV		Hours
MANE 4361	Senior Design I	3	MANE 4362	Senior Design II	3
MANE 43xx	TECH ELEC II	3	MANE 3437	Thermal & Fluid Sciences	4
MECE 3321	Mechanics of Solids	3	MANE 4365	Tool Design	3
MANE 4173	Product Design & Mass Customization	1	MANE 43xx	TECH ELEC III	3
MANE 4331	Manufacturing Planning & Control	3	MANE 3302	Computer-Aided Manufacturing	3
MANE 4311	Quality Control	3			
Total Fall Semester Hours		16	Total Spring Semester Hours		16

* Demonstration of second language proficiency is a requirement of all degrees at UTRGV

Total Degree Hours	136
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Updated 6/10/2016