



TEXAS A&M
UNIVERSITY
KINGSVILLE



SOUTH TEXAS
COLLEGE

MEMORANDUM OF AGREEMENT

Texas A&M University-Kingsville
Frank H. Dotterweich College of Engineering

and

South Texas College
Division of Math, Science, and Bachelors Programs

South Texas College (“STC” herein) and Texas A&M University-Kingsville, a member of The Texas A&M University System, an agency of the State of Texas (“TAMUK” herein) are pleased to confirm and sustain a positive and mutually beneficial working relationship. The educational needs of the students in our common service region continue to increase. In order to be responsive to the needs of our students, STC Division of Math, Science, and Bachelors Programs and TAMUK Frank H. Dotterweich College of Engineering seek to expand upon our existing relationship. The agreement herein will provide strong support to TAMUK’s Rio Grande Valley Engineering Initiative but also applies for students transferring to their main campus. Focused efforts will be made to provide clear pathways between institutions for students pursuing careers in engineering and related Science, Technology, Engineering, and Math (“STEM” herein) fields with little or no loss of academic credits. This will be an ongoing effort providing immediate, as well as future, opportunities to create near seamless transfer between STC and TAMUK engineering or related STEM programs.

The following agreement outlines five areas of potential cooperative initiatives designed to promote the success of students attending both academic institutions and to facilitate access to higher education in the region. These five areas include:

1. Joint Engineering Admission
2. Program/Course mapping
3. Reverse Transfer
4. Summer Bridge initiative
5. Non-Academic Consortium Agreements re: financial aid, libraries, computer labs, etc.

In order to continuously improve the education opportunities in our service area, these five potential areas may be expanded as new needs are identified.

Joint Engineering Admission Program

The Joint Engineering Admission Program will enable students to identify themselves as a student of both institutions prior to a change in physical campus location. In addition, it will provide access to additional facilities and programs offered by STC and TAMUK that may enhance the chance of student success and provide a more seamless transition between the two institutions. Components of the joint admission program must include, but are not limited to:

1. Concurrent enrollment
2. Issuance of TAMUK and STC student IDs
3. TAMUK and STC email accounts
4. Access to the TAMUK and STC libraries online and to computer facilities operated by TAMUK and STC.
5. Participation in student activities on all TAMUK and STC campuses.
6. Access to TAMUK and STC academic advisors.

After acceptance into the joint admission program, students must continually meet the admission requirements and academic performance standards of both institutions in order to remain in the program. Students accepted under joint admission may transfer from one institution to another, alternate enrollment between the institutions, or concurrently enroll at both institutions.

Joint Engineering Admission Program

1. STC students are eligible for Joint Admission once the following criteria are met: 1) declared as an engineering major, 2) has earned 12 academic credit hours, 3) has completed Calculus I with a "C" or better, and 4) has a cumulative GPA of 2.5.
2. Transferrable coursework will be articulated but credit will not be applied towards a student's degree plan at TAMUK for any math, science, or engineering course for which the student did not earn a "C" or better at STC.
3. The institutions will cooperate in promoting the Joint Admission Program.
4. Students admitted in the Joint Admissions Program for engineering are not necessarily guaranteed admission into programs at TAMUK that require a secondary application of native campus students (Teacher Education, Business Administration etc.).
5. Students in the Joint Admission Program will be permitted to register during registration periods for native students.
6. Advising services at both institutions will be provided to students in the Joint Admission Program.
7. Access to facilities, computer laboratories, and libraries at both institutions will be provided to students in the Joint Admission Program.
8. Students in the Joint Admission Program must remain in good academic standing at both institutions in order to continue in the program. Students failing to maintain good academic standing will be required to meet with an academic advisor. An action plan will be made with the student to regain good academic standing during a one semester probationary period.
9. Students in the Joint Admissions Program must adhere to the rules and regulations and deadlines of the institution that they are currently attending.
10. The institutions will exchange student information within legal limitations in order to facilitate the flexible nature of the Joint Admission Program.
11. Students accepted under joint admission may transfer from one institution to another, alternate enrollment between the institutions, or concurrently enroll at both institutions.
12. Students must declare the degree being sought at both STC and TAMUK and shall follow the core curriculum requirements as outlined in the program mapping attached to this document.
13. Academic and non-academic appeals or grievances must be managed through the appropriate channels in the institution in which the event occurs.
14. Students in the Joint Admission Program are eligible to apply for scholarships at TAMUK beginning their first semester of enrollment in TAMUK courses.

Reverse Transfer and Student Performance Program

Reverse Transfer permits students who have matriculated to TAMUK prior to completion of an associate's degree at STC, to transfer course work from TAMUK back to STC in order to complete the associate degree. This feature may be extremely advantageous to students whose higher education plans are interrupted by life circumstance and the completion of the associate's degree becomes a valuable indicator of their success. Specifically, TAMUK and STC agree to the following:

1. The institutions will exchange student information within legal limitations in order to promote the reverse transfer program.
2. TAMUK will encourage transfer STC students to utilize the Reverse Transfer Program in order to complete the associate's degree.
3. STC and TAMUK will make efforts to develop automatic reverse transfer for students transferring between institutions.
4. TAMUK will share STC transfer students' performance data in an effort to improve student success.

Non-Academic Consortium Agreements

Non-academic departments or offices of STC and TAMUK, including but not limited to Financial Aid, Admissions, Distance Education, and Career Services will explore opportunities to develop agreements that facilitate student access and success.

1. The institutions will exchange student information within legal limitations in order to facilitate these consortium agreements.
2. Development of a Financial Aid Consortium Agreement will be a priority for institutions (TAMUK's Director of Financial Aid will facilitate, administer and monitor all financial aid consortium agreements to ensure that they clearly and explicitly reflect the current Financial Aid Consortium documents approved by the Texas A&M University System).

Summer Bridge Initiative

STC and TAMUK agree to develop a summer bridge program to facilitate the transition of students between completion of studies at STC and commencement of studies at TAMUK. The goal will be to offer the first program in Summer 2016.

Program/Course Mapping

Program/course maps for specific TAMUK degree programs are found in Appendix A. Additional course maps may be added at any time with the written consent of both STC and TAMUK.

Course Duplication Agreement

It is agreed upon by both institutions that there will not be a duplication of courses taught at STC campuses and those offered as a part of TAMUK's RGV Engineering Initiative in Weslaco. TAMUK will defer Lower Division level courses to STC offered in the Academic Course Guide Manual (ACGM) as put forth by the Texas Higher Education Coordinating Board. TAMUK may offer courses listed in the ACGM if they are required courses in the Appendix A course mappings and not offered by STC. STC will defer

Upper Division level courses to TAMUK that are found in the course mappings in Appendix A unless listed as a Lower Division level course in the ACGM.

Provisions for Agreement Implementation, Maintenance and Revision

A person will be designated at each campus to oversee implementation of this agreement and to review the agreement annually.

Term, Renewal and Termination of Agreement

The terms of this Agreement will be jointly reviewed annually by faculty and administrators to whose programs are participating in the Joint Engineering Admissions Program. The Agreement will automatically be renewed with written amendments, if any, mutually agreed upon by both parties. TAMUK and STC reserve the right to terminate this Agreement upon services of written notice to the other party 90 days prior to the date of termination. In this event, the date of termination will be the day after the end of the semester during which the 90 day period expires. Any changes made to the STC or TAMUK programs associated with the Joint Engineering Admission Program must be shared with the partnering institution at least one semester before the changes take effect.

Severability

If any provision or provision of this Agreement shall be held invalid or unenforceable, the validity, legality and enforceability of the remaining portions shall not in any way be affected or impaired thereby.

Force majeure

Neither party is required to perform any term, condition, or covenant of this Agreement, if performance is prevented or delayed by a natural occurrence, a fire, and act of God, an act of terrorism, or any other similar occurrence, the cause of which is not reasonably within the control of such party and which by due diligence it is unable to prevent or overcome.

Non-Waiver Provision

STC expressly acknowledges TAMUK is an agency of the State of Texas and nothing in this Agreement will be construed as a waiver or relinquishment by TAMUK of its right to claim such exemptions, privileges, and immunities as may be provided by law.

Notices

Any notice required or permitted under this Agreement must be in writing, and shall be deemed to be delivered (whether actually received or not) when deposited with the United States Postal Service, postage prepaid, certified mail, return receipt requested, and addressed to the intended recipient at the address set out below. Notice may also be given by regular mail, personal delivery, courier delivery, facsimile transmission, email or other commercially reasonable means and will be effective when actually received. TAMUK and STC can change their respective notice address by sending to the other party a notice of the new address. Notices should be addressed as follows:

TAMUK: Provost and Vice President for Academic Affairs
Texas A&M University-Kingsville
700 University Blvd., MSC 102
Kingsville, TX 78363
Attention: Dr. Heidi Anderson
Phone: (361) 593-3106
Fax: (361) 593-3107
E-mail: Heidi.anderson@tamuk.edu

STC: Vice President for Academic Affairs
South Texas College
3201 W. Pecan Blvd
McAllen, TX 78501
Attention: Dr. Anahid Petrosian
Phone: 956-872-8336
E-mail: anahid@southtexascollege.edu

Public Information Act

It shall be the independent responsibility of TAMUK and to comply with the provisions of Chapter 552, *Texas Government Code* (the "*Public Information Act*"), as those provisions apply to the parties' respective information. TAMUK is not authorized to receive public information requests or take any action under the *Public Information Act* on behalf of STC. Likewise, STC is not authorized to receive public information requests or take any other action under the *Public Information Act* on behalf of TAMUK.

Dispute Resolution

In accordance with 19 T.A.C. §4.27, all credit transfer disputes are to be handled as follows:

- (a) The following procedures shall be followed by the institutions of higher education in the resolution of credit transfer disputes involving lower division courses:
- (1) If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied, and shall include in that notice the reasons for denying the credit. Attached to the written notice shall be the procedures for resolution of transfer disputes for lower division courses as outline in this section, accompanied by clear instructions outlining the procedure for appealing the decision to the Commissioner.
 - (2) A student who receives notice as specified in paragraph (1) of this subsection may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.
 - (3) The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.
 - (4) If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the sending institution may notify the Commissioner in writing of the request for transfer dispute resolution, and the institution that denies the course credit for transfer shall notify the Commissioner in writing of its denial and the reasons for the denial.
- (b) The Commissioner or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
- (c) Each institution of higher education shall publish in its catalogs the procedures specified in subsections (a), (b), (d), and (e) of this section.
- (d) The Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered to by the Commissioner or the Commissioner's designee.
- (e) If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should first contact the sending institution and attempt to resolve the problem. In the event that the two institutions are unable to come to a satisfactory resolution, the receiving institution may notify the Commissioner, who may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for this course.

Signed this date: _____

TEXAS A&M UNIVERSITY-KINGSVILLE

SOUTH TEXAS COLLEGE

Dr. Stephan Nix
Dean – College of Engineering

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

Dr. Heidi Anderson
Provost and Vice President for
Academic Affairs

Dr. Anahid Petrosian
Interim Vice President for Academic Affairs
Chief Academic Officer

Appendix A

Program Maps

This section provides the course mapping for degree programs participating in the Joint Engineering Admissions Program. Mappings in this section must abide by the Memorandum Agreement on which it is attached. Mappings may be added or removed upon written consent of both STC and TAMUK. Programs to be removed from this listing must abide by the *Term, Renewal and Termination of Agreement*. Removal of one program mapping will not affect the implementation of others.

Chemical Engineering

Joint Engineering Admissions Program 2+ Track

South Texas College/Texas A&M University - Kingsville

First Semester (STC): 16 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Introduction to Engineering - ENGR 1201	Learning in Global Context I and II - UNIV 1101/1102
United States History I - HIST 1301	American History - HIST 1301
Composition - ENGL 1301	Rhetoric and Composition - ENGL 1301
Calculus I - MATH 2413 [†]	Calculus I - MATH 2413
General Chemistry I - CHEM 1411	General Inorganic Chemistry I and Lab - CHEM 1311/1111

Second Semester (STC): 14 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Composition II - Rhetoric: ENGL 1302	Rhetoric and Composition - ENGL 1302
Calculus II - MATH 2414	Calculus II - MATH 2414
General Chemistry II - CHEM 1412	General Inorganic Chemistry II and Lab - CHEM 1312/1112
United States History II - HIST 1302	American History - HIST 1302

Third Semester (STC): 18 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Organic Chemistry I - CHEM 2423	Organic Chemistry I - CHEM 3323/3123
Federal Government - GOVT 2305	Government and Politics of the US - POLS 2301
Visual & Performing Arts Elective (3 credit hours)	Creative Arts Elective (3 credit hours)
University Physics I - PHYS 2425	University Physics I and Lab - PHYS 2325/2125
Calculus III - MATH 2415	Calculus III - MATH 3415

Fourth Semester (STC): 15 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Texas Government - GOVT 2306	Government and Politics of Texas - POLS 2302
Organic Chemistry II - CHEM 2425	Organic Chemistry II - CHEM 3325/3125
University Physics II - PHYS 2426	University Physics II and Lab - PHYS 2326/2126
Statics and Dynamics - ENGR 2303	Statics and Dynamics - MEEN 2355

Summer Bridge (STC/TAMUK): 7 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Differential Equations - MATH 2420	Differential Equations - MATH 3320
	Conservation Principles - CHEN 2371

Fifth Semester (STC/TAMUK): 1 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Biology for Science Majors I - BIOL 1406	General Biology - BIOL 1306
	Physical Chemistry I - CHEM 3331
	Fluid Transport Phenomena - CHEN 3392
	Chemical Engr. Thermodynamics I - CHEN 3347
Fundamentals of Programming I - COSC 1436	Intro. to Comp. Using Visual Basic and Excel - CSEN 2303

Sixth Semester (TAMUK): 18 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
	Physical Chemistry II – CHEM 3332
	Heat Transfer Phenomena - CHEN 3310
	Design I - CHEN 3315
	Process Simulation - CHEN 3321
	Chem. Engr. Thermodynamics II - CHEN 3371
Business & Prof. Communication - SPCH 1321 ²	Business & Prof. Communication - COMS 1315

Seventh Semester (TAMUK): 14 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
	Chemical Process Design II - CHEN 4316
	Kinetics and Reactor Design - CHEN 4373
	Unit Operation Lab I - CHEN 4278
	Mass Transfer Phenomena - CHEN 4389
Principles of Economics I - ECON 2301 (recommended)	Social/Behavioral Science Elective (3 credit hour)

Eighth Semester (STC/TAMUK): 1 credit hours

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
	Chemical Process Design III - CHEN 4317
	Unit Operations Lab II - CHEN 4279
	Process Dynamics and Control - CHEN 4392
Introduction to Ethics - PHIL 2306 (recommended)	Language/Philosophy and Culture (3 credit hour)
	Biochemical Engineering - CHEN 4311

¹ In order for students to enroll directly into Calculus MATH 2413, students must demonstrate needed prerequisite knowledge as determined by the STC Math Department. For students who would like to petition to enroll directly into Calculus I, contact the Math Department at (956)872-8327.

² SPCH 132 is recommended course beyond the required course work for students completing the A.S. in Engineering at STC. SPCH 132 fulfills the Component Area Option of TAMUK's Core Curriculum; however, students completing ENGR 230 or ENGR 230 will have fulfilled this Component Area Option of the Core at STC. Though not required to take SPCH 132 (as per E.C. Sec. 61.822(d) and 1 T.A.C. §4.28(e)), students are highly recommended to do so as communication skills are critical to the success of professional engineers. Students should speak with an academic advisor to answer any questions they may have.

Natural Gas Engineering

Joint Engineering Admissions Program 2+2 Track

South Texas College/Texas A&M University - Kingsville

First Semester (STC): 1 hrs

ST Course	TAMUK Course Equivalent
Introduction to Engineering - ENGR 1201	Learning in Global Context I and II - UNIV 1101/1102
United States History I - HIST 1301	American History - HIST 1301
Composition - ENGL 1301	Rhetoric and Composition - ENGL 1301
Calculus I - MATH 2413 ¹	Calculus I - MATH 2413
General Chemistry I - CHEM 1411	General Inorganic Chemistry I and Lab - CHEM 1311/1111

Second Semester (STC): 14 hrs

ST Course	TAMUK Course Equivalent
Composition II - Rhetoric: ENGL 1302	Rhetoric and Composition - ENGL 1302
Calculus II - MATH 2414	Calculus II - MATH 2414
General Chemistry II - CHEM 1412	General Inorganic Chemistry II and Lab - CHEM 1312/1112
United States History II - HIST 1302	American History - HIST 1302

Third Semester (STC): 1 hrs

ST Course	TAMUK Course Equivalent
Organic Chemistry I - CHEM 2423	Organic Chemistry I - CHEM 3323/3123
Federal Government - GOVT 2305	Government and Politics of the US - POLS 2301
Visual & Performing Arts Elective (3 credit hours)	Creative Arts Elective (3 credit hours)
University Physics I - PHYS 2425	University Physics I and Lab - PHYS 2325/2125
Differential Equations - MATH 2420 ²	Differential Equations - MATH 3320

Fourth Semester (STC): 14 hrs

ST Course	TAMUK Course Equivalent
Texas Government - GOVT 2306	Government and Politics of Texas - POLS 2302
Physical Geology: GEOL 1403	GEOL 1303/1103 Physical Geology and Lab
University Physics II - PHYS 2426	University Physics II and Lab - PHYS 2326/2126
Statics and Dynamics - ENGR 2303	Statics and Dynamics - MEEN 2355

Summer Bridge (STC/TAMUK): hrs

ST Course	TAMUK Course Equivalent
Fundamentals of Programming I - COSC 1436	Intro. to Comp. Using Visual Basic and Excel - CSEN 2303

Fifth Semester (TAMUK): 15 hrs

ST Course	TAMUK Course Equivalent
	Strength of Materials - CEEN 3311
	Thermodynamics - MEEN 3347
	Reservoir Engineering - NGEN 3322
	Fluid Transport Phenomena - NGEN 3392
Principles of Economics I - ECON 2301 (recommended)	Social/Behavioral Science Elective (3 credit hour)

Sixth Semester (TAMUK): 15 hrs

ST Course	TAMUK Course Equivalent
	Heat Transfer Phenomena - CHEN 3310
	Process Simulation - CHEN 3321
	Natural Gas Drilling Engineering - NGEN 3393
	Environmental Engineering in a Global Society - EVEN 2372
Introduction to Ethics - PHIL 2306 (recommended)	Language/Philosophy and Culture (3 credit hour)

Seventh Semester (TAMUK): 15 hrs

ST Course	TAMUK Course Equivalent
	Mass Transfer Phenomena - CHEN 4389
	Natural Gas Distribution - NGEN 4375
	Nat. Gas Prod./Test. & Evaluation - NGEN 4396
	Statistical Methods - STAT 4303
Business & Prof. Communication - SPCH 1321 ³	Business & Prof. Communication - COMS 1315

Eighth Semester (TAMUK): 15 hrs

ST Course	TAMUK Course Equivalent
	Unit Operations Lab - NGEN 4279
	Seismic Interp. And Well Logging - NGEN 4387
	Natural Gas Processes - NGEN 4383
	Capstone Design Project - NGEN 4398
	Nat Gas/Liquid Measurement - NGEN 4478

¹ In order for students to enroll directly into Calculus MATH 2413, students must demonstrate needed prerequisite knowledge as determined by the STC Math Department. For students who would like to petition to enroll directly into Calculus I, contact the Math Department at (956)872-8327

Students accepted into the STC/TAMUK Joint Engineering Admission program will be granted a course substitution replacing MATH 2415 with MATH 2420 in order to complete the STC A.S. in Engineering.

³ SPCH 132 is recommended course beyond the required course work for students completing the A.S. in Engineering at STC. SPCH 132 fulfills the Component Area Option of TAMUK's Core Curriculum; however, students completing ENGR 230 or ENGR 230 will have fulfilled this Component Area Option of the Core at STC. Though not required to take SPCH 132 (as per E.C. Sec. 61.822(d) and 1 T.A.C. §4.28(e)), students are highly recommended to do so as communication skills are critical to the success of professional engineers. Students should speak with an academic advisor to answer any questions they may have.

Environmental Engineering

Joint Engineering Admissions Program 2+2 Track

South Texas College/Texas A&M University - Kingsville

First Semester (STC): 1 hrs

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Introduction to Engineering - ENGR 1201	Learning in Global Context I and II - UNIV 1101/1102
United States History I - HIST 1301	American History - HIST 1301
Composition - ENGL 1301	Rhetoric and Composition - ENGL 1301
Calculus I - MATH 2413 ¹	Calculus I - MATH 2413
General Chemistry I - CHEM 1411	General Inorganic Chemistry I and Lab - CHEM 1311/1111

Second Semester (STC): 14 hrs

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Composition II – Rhetoric - ENGL 1302	Rhetoric and Composition - ENGL 1302
Calculus II - MATH 2414	Calculus II - MATH 2414
General Chemistry II - CHEM 1412	General Inorganic Chemistry II and Lab - CHEM 1312/1112
United States History II - HIST 1302	American History - HIST 1302

Third Semester (STC): 1 hrs

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Organic Chemistry I - CHEM 2423	Organic Chemistry I - CHEM 3323/3123
Federal Government - GOVT 2305	Government and Politics of the US - POLS 2301
Visual & Performing Arts Elective (3 credit hours)	Creative Arts Elective (3 credit hours)
University Physics I - PHYS 2425	University Physics I and Lab - PHYS 2325/2125
Differential Equations - MATH 2420 ²	Differential Equations - MATH 3320

Fourth Semester (STC): 14 hrs

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Texas Government - GOVT 2306	Government and Politics of Texas - POLS 2302
Biology for Science Majors I - BIOL 1406	General Biology - BIOL 1306
University Physics II - PHYS 2426	University Physics II and Lab - PHYS 2326/2126
Statics and Dynamics - ENGR 2303	Statics and Dynamics - MEEN 2355

Summer Bridge (STC/TAMUK): hrs

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
	Introduction to Environmental Engineering - EVEN 2310

Fifth Semester (TAMUK): 15 hrs

<i>ST Course</i>	<i>TAMUK Course Equivalent</i>
Engineering Graphics - ENGR 1304	Computer Based Graphics and Design I – MEEN 1310
Fundamentals of Programming I - COSC 1436	Computer Methods for Environmental - EVEN 2304
	Environmental Engineering Lab - EVEN 3321
	Chemical Principles for Environ. Engineers - EVEN 3320
	Environ. Engineering in a Global Society – EVEN 2372 ³

Sixth Semester (TAMUK): 18 hrs

ST Course	TAMUK Course Equivalent
	Environ. Eng. Process Fundamentals - EVEN 3328
	Hydraulics and Fluid Mechanics - CEEN 3392 ⁵
	Thermodynamics - MEEN or CHEN 3347
	Engineering Economy - CEEN 3317
	Environmental Engineering Ethics and Policy – EVEN 2311
Business & Prof. Communication - SPCH 1321 ⁴	Business & Prof. Communication - COMS 1315

Seventh Semester (TAMUK): 16 hrs

ST Course	TAMUK Course Equivalent
	Engineering Elective
	Environmental Engineering Design I - EVEN 4102
	Air Pollution Control - EVEN 4386
	Statistical Methods - STAT 4303
	Solid Hazardous Waste Fundamentals - EVEN 4306
Introduction to Ethics - PHIL 2306 (recommended)	Language/Philosophy and Culture (3 credit hour)

Eighth Semester (TAMUK): 1 hrs

ST Course	TAMUK Course Equivalent
	Water and Wastewater Treatment - EVEN 4301
	Environmental Engineering Design II - EVEN 4303
	Water Resources & Adv. Computer Methods - EVEN 4304
	Engineering Elective
	Hydrogeology - GEOL 4425 or Principles of Soil Sciences - PLSS 3410

¹ In order for students to enroll directly into Calculus MATH 2413, students must demonstrate needed prerequisite knowledge as determined by the STC Math Department. For students who would like to petition to enroll directly into Calculus I, contact the Math Department at (956)872-8327.

² Students accepted into the STC/TAMUK Joint Engineering Admission program will be granted course substitution replacing MATH 2415 with MATH 2420 in order to complete the STC A.S. in Engineering.

³ This course fulfills the TAMUK Social/Behavioral Science component of the Core Curriculum.

⁴ SPCH 132 is recommended course beyond the required course work for students completing the A.S. in Engineering at STC. SPCH 132 fulfills the Component Area Option of TAMUK's Core Curriculum; however, students completing ENGR 230 or ENGR 230 will have fulfilled this Component Area Option of the Core at STC. Though not required to take SPCH 132 (as per E.C. Sec. 61.822(d) and 1 T.A.C. §4.28(e)), students are highly recommended to do so as communication skills are critical to the success of professional engineers. Students should speak with an academic advisor to answer any questions they may have.

⁵ For students completing this degree program at TAMUK's RGV campus, Fluid Transport Phenomena - CHEN 3392 should be substituted.