

ARTICULATION AGREEMENT
between
TEXAS A&M UNIVERSITY-COMMERCE
and
COLLIN COUNTY COMMUNITY COLLEGE DISTRICT
regarding
THE BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING DEGREE

This Articulation Agreement (Agreement) is made and entered into on this 15th day of July, 2009, by and between Texas A&M University-Commerce (A&M-Commerce) and Collin County Community College District (Collin College) concerning the delivery of the Bachelor of Science Degree in Industrial Engineering.

I. Purpose of Agreement:

The purpose of this Agreement is to enable Collin College students who successfully complete the articulated courses as outlined in this agreement (see Appendix A) to transfer to A&M-Commerce in a seamless transition without loss of semester credit hours towards the completion of the Bachelor of Science in Industrial Engineering (CIP: 14 3501.00) degree.

II. Terms of Agreement:

A. Responsibilities of A&M-Commerce:

A&M-Commerce hereby agrees as follows:

1. To admit and accept in full the course work as outlined in Appendix A from those Collin College students who are enrolled in the Associate of Science with emphasis in Industrial Engineering program and have been determined by A&M-Commerce to qualify for admission to A&M-Commerce and the Bachelor of Science in Industrial Engineering program.
2. To develop and provide materials related to a seamless transition to the Bachelor of Science in Industrial Engineering program, leading to a Bachelor of Science in Industrial Engineering (B.S. in IE) degree, in cooperation between Collin College and A&M-Commerce.
3. Post on A&M-Commerce website the articulated Collin College/A&M-Commerce community college 2-year planning guide.
4. To provide and teach A&M-Commerce courses articulated in this agreement.
5. To provide Collin College advisors with information and support in helping them with their role of assisting Collin College students with transfer and degree program advising.
6. To maintain on-going collaboration and monitoring of the program through the department head of the A&M-Commerce Department of Industrial Engineering & Technology.
7. To arrange and coordinate academic accommodations for qualified disabled students enrolled in A&M-Commerce courses through the A&M-Commerce Office of Disability Services.
8. To bill and collect from students participating in this program applicable A&M-Commerce tuition and fees as set by A&M-Commerce and approved by The Texas A&M University System-Board of Regents.
9. To advise students that A&M-Commerce's academic requirements, policies, procedures, tuition and fees are subject to change; and that change information can be found on the A&M-Commerce website, bulletins, or other locations.
10. A&M-Commerce will work with Collin College in providing reverse transfer arrangements for any students transferring from Collin College to A&M-Commerce prior to earning an associate's degree.
11. Provide Collin College students with scholarship and financial aid information through advising and advising materials.

12. A&M-Commerce cannot guarantee this program in perpetuity; therefore it is important that the parties and students participating in this program understand that this agreement will not constitute a binding contract regarding the on-going or future offerings of the academic program outlined herein.
 13. A&M-Commerce is an equal opportunity institution, and shall not discriminate unlawfully against any Collin College student, applicant, or employee, nor shall it deny the benefits provided its own degree-seeking students to any person on the basis of race, color, national origin, ancestry, disability, marital status, age or gender.
- B. Responsibilities of Collin College:
Collin College hereby agrees as follows:
1. To admit and enroll Collin College students in lower division courses taught by Collin College as part of this articulated degree program. Collin College will administer any financial aid for students when they are enrolled in Collin College.
 2. To provide Collin College students with A&M-Commerce course listings for this program through bulletin and web postings, advising materials, and other appropriate media.
 3. To assist in advising Collin College/A&M-Commerce students in this program through one or more designated Collin College academic adviser(s).
 4. To communicate to Collin College students completing the Associate in Science with emphasis in Industrial Engineering and enrolling at A&M-Commerce of A&M-Commerce academic requirements, policies, procedures, tuition and fees and that these are subject to change and that A&M-Commerce cannot guarantee the program in perpetuity, and that future offerings cannot be guaranteed beyond the terms of this course transfer agreement.
 5. To coordinate class schedules and school closings with A&M-Commerce. If A&M-Commerce offers and teaches courses on a Collin College campus, the schedule will follow the official academic calendar of A&M-Commerce.
 6. Collin College is an equal opportunity institution and shall not discriminate unlawfully against any A&M-Commerce student, applicant, or employee, nor shall it deny the benefits provided its own degree-seeking students to any person on the basis of race, color, national origin, ancestry, disability, marital status, age or gender.
- C. Responsibilities of Both Institutions:
1. A program review will occur annually to assess the current performance of the program and consider future modifications.
- D. Course Delivery
1. Each institution agrees to offer courses as outlined in the Course Transfer Degree plan (see Appendix A). Collin College will offer at least 59 hours of course work, and A&M-Commerce will offer the remaining hours of course work for a minimum of 128 semester hours. Because of possible changes in degree requirements imposed by the State of Texas and program modifications and changes that occasionally occur, Collin College students transferring to A&M-Commerce must follow Collin College, A&M-Commerce, and State of Texas policies regarding degree program criteria.
- E. Waivers to A&M-Commerce Graduation Requirements
1. Junior Level Essay (JLE): Students will need to contact the Testing Office at A&M-Commerce to determine if they are exempt from JLE requirements. If they are not exempt, they can take the COMPASS essay at Collin College and score 6 or higher (and have these scores transferred to the Testing Office at A&M-Commerce) or complete the JLE requirement for writing competency at A&M-Commerce.

III. Term of Agreement:

This Agreement shall operate on an ongoing basis. It may only be modified by a written agreement signed by legally authorized officials of both institutions. The Agreement will operate as a commitment for each cohort admitted to A&M-Commerce for this combined degree.

BOTH PARTIES AGREE TO:

Provide courses toward the 128 semester-hour Bachelor of Science in Industrial Engineering (BS in IE) degree program. A detailed outline of the curriculum is provided in Appendix A; it identifies the courses to be offered by each institution.

Identify and energetically seek to resolve any issues related to the implementation of this Agreement including, but not limited to, those related to financing, course scheduling, use of technology, Internet access, or availability of other resources.

TERMS AND TERMINATION:

This Agreement will remain in effect from its execution date until one or both of the signing parties deem it necessary to terminate the Agreement with or without cause. However, this Agreement will remain in effect for a period of one (1) calendar year after written notice of termination is made, thereby granting both parties to of this Agreement an exit period in order to accommodate active students in the program.

MISCELLANEOUS

- A. Assignability: Neither Party may assign its rights or duties under this Agreement without the prior written consent of the other Party.
- B. Notice: Any notice, demand, or communication required, permitted, or desired to be given under this Agreement, shall be deemed effectively given when delivered personally, sent by telecopy, or mailed by prepaid Certified Mail, return requested, addressed to the Parties at the following addresses:

Dr. Dan R. Jones, President and CEO
Texas A&M University-Commerce
P. O. Box 3011
Commerce, TX 75429-3011

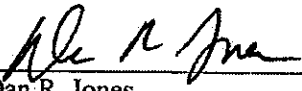
Dr. Cary Israel, President
Collin County Community College District
4800 Preston Park Boulevard
Plano, TX 75093
- C. Enforceability: Should any provision of this Agreement be held invalid or unconstitutional by any governmental body or court of competent jurisdiction, that holding shall not diminish the validity of any other provision of the Agreement.
- D. Governance and Interpretation: This Agreement shall be governed by and interpreted in accordance with the laws of the State of Texas.
- E. Construction: Common nouns and pronouns and all other terms shall be deemed to refer to the masculine, feminine, neuter, and singular and/or plural, as the identity of the person or persons, firm, or association may in the context require.
- F. Multiple Copies: This Agreement and its Amendments, if any, shall be in writing and may be executed in multiple copies. Each multiple copy, if any, shall be deemed an original, but all multiple copies together shall constitute one and the same instrument.
- G. Waiver of Breach: The waiver by either Party of a breach or violation of any provision of the Agreement shall not operate as, or be constructed to be, a waiver of any subsequent breach of the same or another provision.

- H. This Agreement constitutes the Entire Agreement between the Parties hereto with respect to the subject matter hereof and supersedes all previous or contemporaneous agreements, understandings, or negotiations between the written instrument executed by both Parties.
- I. Dispute Resolution: The dispute resolution process provided in chapter 2260, Texas Government Code, and the related rules adopted by the Texas Attorney General pursuant to chapter 2260, shall be used by A&M-Commerce and Collin College to attempt to resolve any claim for breach of contract made by either party that cannot be resolved in the ordinary course of business. The parties shall submit written notice of a claim of breach of contract under this Chapter to the respective undersigned parties, who shall examine the claim and any counterclaim and negotiate with the other respective party in an effort to resolve the claim.
- J. Governing Law and Venue: This agreement shall be governed and interpreted pursuant to the Constitution and Laws of the state of Texas. Pursuant to Section 85.18, *Texas Education Code*, venue for any suit filed against A&M-Commerce shall be in the county in which the primary office of the chief executive officer of A&M-Commerce is located. At the time of this Agreement, such county is Hunt County, Texas.
- K. Amendments, Changes or Modifications: No amendment, change or modification to the MOU may be made except in writing by all parties.

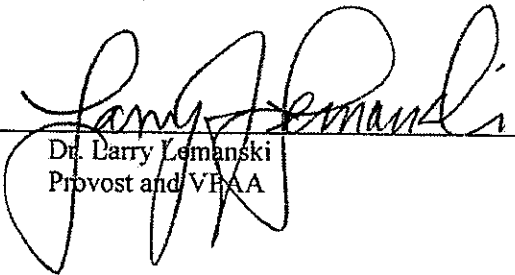
The parties hereto certify that they have the authority to execute this Agreement and that covenants contained herein are within their respective statutory authority to fulfill. The undersigned parties bind themselves to the faithful performance of this Agreement.

IN WITNESS WHEREOF, the parties execute this Articulation Agreement in duplicate originals effective as of the date and year first above written.

TEXAS A&M UNIVERSITY-COMMERCE

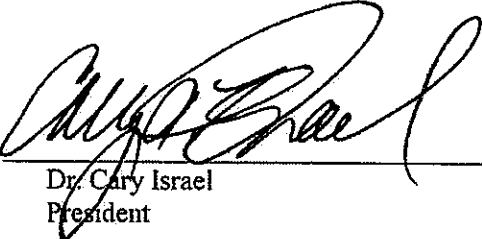
By: 
Dr. Dan R. Jones
President & CEO

8.12.09
Date

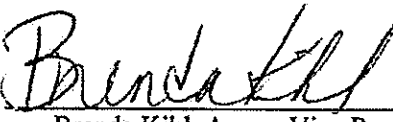

Dr. Larry Lemanski
Provost and VCAA

8/11/09
Date

COLLIN COUNTY COMMUNITY COLLEGE DISTRICT

By: 
Dr. Cary Israel
President

8/4/09
Date


Brenda Kihl, Assoc. Vice President,
Strategic Initiatives

7/23/09
Date

Appendix A

COLLIN COUNTY COMMUNITY COLLEGE DISTRICT (COLLIN COLLEGE) INDUSTRIAL ENGINEERING ARTICULATION AGREEMENT

COLLIN COLLEGE CORE CURRICULUM	TAMU-COMMERCE IE CURRICULUM
Communications	
ENGL 1301	ENG 101
ENGL 1302	ENG 102
Choose one from the following: SPCH 1311, 1315, 1321	SPCH 111
Humanities	
Choose one from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343 FREN 2303, 2304 HUMA 1301 PHIL 1301, 1304, 2303, 2306, 2307, 2321 SPAN 2321, 2322	Humanities requirement
Mathematics	
MATH 2413	MATH 191
Natural Sciences	
PHYS 2425	PHYS 211
PHYS 2426	PHYS 212
Social and Behavioral Sciences	
Choose one from the following: ECON 2301, 2302	ECO 231 or ECO 232
Social Sciences	
HIST 1301	HIST 121
HIST 1302	HIST 122
GOVT 2301	PSCI 211
GOVT 2302	PSCI 212
Visual / Performing Arts	
Choose one from the following: ARTS 1301, 1303, 1304 DANC 2303 DRAM 1310, 2361, 2362 MUSI 1306, 1307	Visual and Performing Arts requirement
Institutional Options	
PHED 11XX (1 credit hour activity)	Physical Education requirement (1 of 2)
COSC 1436	CSCI 151

APPLICATION OF MAJOR REQUIREMENTS

MATH 2414	MATH 192
CHEM 1411	CHEM 111
PHED 11XX (1 credit hour activity)	Physical Education requirement (2 of 2)
DFTG 1309 or DFTG 2319	IT 111

This crosswalk shows 59 hours taken at College College, of which all 58 hours can be applied to the Industrial Engineering degree requirements at Texas A&M University-Commerce. Students successfully completing all courses will be a CORE completer.

ASSOCIATE DEGREE WITH EMPHASIS IN INDUSTRIAL ENGINEERING

IE 101**	IE 101
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***Upon earning a "C" or better in IE 101 from A&M-Commerce, the course will be transferred back to Collin College to complete the associate degree in Industrial Engineering.*

A student who completes any hours that are not on the IE degree plan may be allowed to count those hours toward elective hours at Collin College. These hours will only count towards the completion of the associate degree and will not count toward any hours in the A&M-Commerce IE degree plan.

In addition, the following statements apply to the joint degree:

Courses identified as “Core Curriculum” at Collin College will substitute for courses in the A&M-Commerce core curriculum as listed in the course crosswalk in this appendix.

A student who is core complete at Collin College will be considered as core complete at A&M-Commerce.

Students must meet the admissions requirements for both Texas A&M University-Commerce and also for the B.S. in IE program in order to be approved to enroll in upper division Industrial Engineering classes. This criterion, as listed in the Admissions Policies and undergraduate catalog, also includes for the B.S. in IE program that Industrial Engineering majors are required to complete the University Studies requirements and major area requirements. For a course to transfer into a B.S. in IE major, a grade of “C” or better must be earned in the course. A grade of “C” or better is required in all B.S. in IE required courses in the major. Courses must be repeated if a grade of “C” or better is not earned in the course.”

Courses to be completed at Texas A&M University-Commerce	
Industrial Technology (6 hours)	
IT 112	Product Design and Development
IT 340	Quality Management and Improvement (or MGT 340)
Industrial Engineering (58 hours)	
IE 101	Introduction to Industrial Engineering
IE 201	Elementary Engineering Analysis
IE 207	Engineering Economic Analysis
IE 211	Engineering Probability and Statistics
IE 305	Facilities Planning
IE 311	Advanced Engineering Statistics
IE 312	Operations Research I
IE 313	Operations Research II
IE 314	Statistical Quality Control
IE 316	Manufacturing Systems Design and Control
IE 410	Systems Simulation
IE 403	Human Factors Engineering
IE 407	Production Systems Operation
IE 411	Engineering Management
IE 431	Principles of Programmable Automation
IE 444	Systems Engineering
IE 471	Industrial Internship
IE 486	Service Systems Analysis
IE 495	Industrial Systems Design
Mathematics (6 hours)	
MATH 315	Differential Equations
MATH 335	Linear Algebra
Total 70 semester hours	