Articulation Agreement

Division of Business, Professional and Technology Education: Department of Computer Science, Engineering and Advanced Technology; Geographic Information Science & Cartography Program
Del Mar College, Corpus Christi, TX

AND

College of Science & Engineering: School Engineering Programs and Computing Sciences
Texas A&M University-Corpus Christi
Corpus Christi, TX.

This articulation agreement has been established between Del Mar College's Geographic Information Science & Cartography Program and Texas A&M University-Corpus Christi's Geographic Information Science and Geospatial Surveying Engineering Program with the intent of facilitating the transfer process for Geographic Information Science & Cartography (GISC) and Geographic Information Science & Geospatial Surveying Engineering students between both said institutions of higher learning. The agreement will serve as a guideline for Del Mar College students who desire to transfer into the School of Engineering and Computing Sciences at Texas A&M University-Corpus Christi. (e.g. Bachelors of Applied Science (BAS) Digital Information Mapping Program and/or Bachelors of Science (BS) Geographic Information Science).

Del Mar College students completing either the Associates in Science Degree (AS) Geographic Information Systems (GIS), Associates in Applied Science Degree (AAS): Computer Information Systems. Microcomputers for Business Specialization Geographic Information Systems and/or Certificate: Geographical Information Systems Analyst and/or Marketable Skills Achievement Award –GIS Level-I and/or Marketable Skills Achievement Award –GIS Level-II. This agreement establishes a guideline for course articulation and course substitutions between both institutions per award, certificate or selected courses. The agreement of articulation and course substitutions as outlined will be in accordance with the minimum standards as set in this agreement by both the respective programs at Del Mar College and Texas A&M University –Corpus Christi.

The articulation agreement's rational: Seamless transition and clear path for those Del Mar College students who have completed GISC courses, awards, certificates and degrees, thus have acquired the skill sets and academic knowledge in the field of Geographic Information Science & Cartography to pursue academic opportunities in the Geographic Information Science and Geospatial Surveying Engineering Program Texas A&M University-Corpus Christi. This agreement will give Del Mar College GISC students the flexibility to improve and expand their respective options as it pertains to their academic and career paths. This will serve as a potential pathway for Del Mar College students to pursue a BS in GIS or Digital Information Systems at Texas A&M University-Corpus Christi.

The following agreements as outlined are proposed to better facilitate the transfer process from Del Mar College to the Texas A&M University Corpus Christi Geographic Information Science and Geospatial Surveying Engineering Program.

- Each student must follow the submission requirements set forth by the Texas A&M University – Corpus Christi College of Science & Engineering: School of Engineering and Computing Sciences, as posted on their website located at http://catalog.tamucc.edu/content.php?catoid=5&navoid=146

- The process will consist of a comprehensive review of students' transcript, which will consist of course listings, course grades and GPA, will be conducted for each applicant before admittance into the program at Texas A&M University-Corpus Christi.
- Only applicable academic courses as outlined in either the Del Mar College Associates in Science Degree (AS) Geographic Information Systems (GIS) and/or Associates in Applied Science Degree (AAS); Computer Information Systems, Microcomputers for Business Specialization Geographic Information Systems and/or Certificate: Geographical Information Systems Analyst and/or Marketable Skills Achievement Award –GIS Level-I and/or Marketable Skills Achievement Award –GIS Level-II programs as set forth in Table-1 incorporated by the reference herein will be accepted (course substitutions).
- This agreement is in accordance with the pre-established and accepted Associates in Science Degree: Geographic Information Systems (GIS) Transfer Plan Agreement already in place between Del Mar College Division of Business, Professional and Technology Education: Department of Computer Science, Engineering and Advanced Technology; Geographic Information Science & Cartography Program and Texas A&M University College of Science & Engineering: School of Engineering and Computing Sciences. To include course transfers and substitutions. As incorporated by reference to the Del Mar College Course Catalogs 2009-2016 by reference herein. Until further reviews. http://www.delmar.edu/catalog/
- Texas A&M University –Corpus Christi College of Science & Engineering: Department of Computing Sciences; Geographic Information Science and Geospatial Surveying Engineering guarantees transfer of credit as stipulated in Table-1 "Course Transfers & Substitutions Agreement" and incorporated by reference herein.
- This document is based upon the evaluation of course descriptions and syllabi presented to the Texas A&M University. Development of the GIS curricula was based primarily on the Geospatial Technology Competency Model (GTCM) work provided by the National Geospatial Technology Center of Excellence funded by the National Science Foundation and the National Information, Security & Geospatial Technology Consortium funded by the Department of Labor.

    - ✓ GTCM: http://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx
    - ✓ NISGTC: https://nter.riosalado.edu/web/guest/search?keywords=GIS&groupId=0

- Students may be required to complete additional courses to satisfy the lower-division general education requirements of Texas A&M University –Corpus Christi for their degree plan in the College of Science & Engineering: School of Engineering and Computing Sciences.
- This agreement shall go into effect for a period of five (5) years prior to and five (5) years past the date listed below on the document. With that the provision that the terms specified herein will continue to apply to students admitted from Del Mar College Division of Business, Professional and Technology Education: Department of Computer Science, Engineering and Advanced Technology; Geographic Information Science & Cartography Program to the Texas A&M University –Corpus Christi College of Science & Engineering: School of Engineering and Computing Sciences BS and BAS Degree programs within one year of the expiration of the agreement.
- Each institution agrees to provide timely notice to the other in event of any modifications to the curriculum that might affect compatibility for admission and transfer of coursework.

Table-1: Course Transfers & Substitutions Agreement

Del Mar College = DM

Texas A&M University-Corpus Christi = TAMUCC

Table-1: Course Transfers & Substitutions Agreement		
DMC	**TAMUCC**	**Ratio**
DFTG 1309 Basic Computer Aided Drafting Or ENGR 1304 Engineering Graphics-I	GISC 1336 Digital Drafting & Design	3-3
GISC 1311 Intro to GIS	GISC 1470 Geospatial Systems -I	3-4
COSC 1436 Programming Fundamentals-I Or ITSE 1402 Intro to Computer Programming& GISC 2420 Intermediate GIS/Spatial Analysis	GISC 2438 Geospatial Software Systems	8-4
GISC 1391/1491 Special Topics in Cartography (GIS) & GISC 1421 Intro to Raster Based GIS / Remote Sensing Or & GISC 2301 Data Acquisition/Management/Analysis	GISC 3301 Geospatial Systems II	6-3
SRVY 2340 Advanced Plane Surveying & GISC 1191 Or 2191 Introduction to GPS (Field work)	GISC 2470 Geospatial Plane Measurement I	4-4
GISC 2335/2435 Programming for GIS	GISC 3420Geospatial Software Systems II	3-4

1) GISC 1125 Concepts & Careers in GIS (1 credit filler for other majors)
2) GISC 1105, Intro to ArcGIS Basics (1 credit for other majors & GITE MSA)
3) GISC 1311/1302 = GST 101 Into to GISC
4) GISC 2420 = GST 102 Spatial Analysis/Intermediate GIS
5) GISC 2301 = GST 103, Data Acquisition , Analysis and Management
6) GISC 1391 = GST 104 Special Topics in Cartography
7) GISC 1421 = GST 105 Raster GIS & Remote Sensing
8) GISC 2335/2435 = GST TBA, Programming in GIS
9) GISC 2131 = GST TBA, Advanced Problems in GIS-Workplace GIS (capstone project)
10) GISC 2359 = GST TBA, Web Based GIS
11) SRVY 2340 = GST TBA, Advanced Plane Surveying
12) GISC 1191 or 2191 TBA GSTXXX, Special Topics …….GIS & GPS Surveying Field Lab Course.
13) ITSC 2286 Internship – Computer & Information Science, General (Capstone)

Del Mar College (DMC)

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Dr. Mark Escamilla, President **Date**

_____ _____ _____

Lenora Keas, Interim Provost & Vice President **Date**

_____ _____ _____

Dr. David Arreguin, Dean-Bus, Prof. & Tech Educ. **Date**

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Texas A&M University – Corpus Christi (TAMUCC)

_____ _____ _____

Dr. Flavius C. Killebrew, President **Date**

_____ _____ _____

Dr. Chris Markwood, Provost and Vice President for Academic Affairs **Date**

_____ _____ _____

Dr. Frank L. Pezoid, III, Dean-College of Sci. & Eng. **Date**

David Hattox, MS
Interim Chair, Computer Science,
Engineering and Advanced Technology
Del Mar College

Gary Jeffress, Ph.D., RPLS
Professor of Geographic Information Science; School of Engineering and Computing Sciences
Director, Conrad Blucher Institute for Surveying and Science.
Texas A&M University-Corpus Christi

Phillip Davis Ph.D.
Project Manager: National Information, Security & Geospatial Technologies Consortium; Professor: Department of Computer Science-Engineering-Advanced Technology; Program Lead: Geographic Information System & Cartography - Geospatial Technology Program
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