Program Map

Land Surveying Technology/Geomatics

Degree: Associate of Applied Science (AAS)
Certificate: Level 1 (C1)

DESIGN, MANUFACTURING, CONSTRUCTION & APPLIED TECHNOLOGY

Program Description: This is an example course sequence for students interested in Land Surveying Technology/Geomatics. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate of Applied Science (AAS) degree in Land Surveying Technology/Geomatics and/or a Certificate (C1) in Land Surveying Technology/Geomatics.

This program is designed to prepare the student for employment in surveying at a technician level and for certification by the Texas Board of Land Surveying as a Surveyor in Training. It is intended to provide enough general education and the supporting related academic work so that the student is prepared to advance through further application and study to registration as a Registered Professional Land Surveyor.

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Department Website:
http://austincc.edu/surveying

Use this Program Map to choose courses with your college advisor and track your progress towards milestones and completion of program.

Pre-Degree Requirements

Program Specific	Reading and Writing Placement *Placements based on TSI*	Mathematics Placement *Placements based on TSI*
	☐ Basic Developmental Courses ☐ ESOL Courses ☐ INRW Courses	☐ MATD-0332 - Basic Math Skills ☐ MATD-042x/032x – ALEKS Sequence ☐ MATD-0385/0485 – Developing Mathematical Thinking *Not prerequisite for MATH-1314/1324* ☐ MATD-0370 – Elementary Algebra ☐ MATD-0390 – Intermediate Algebra ☐ *Take MATD-0370 and 0390 to prepare for MATH-1314/1324*

D=Degree
C1=Level 1 Certificate
C2=Level 2 Certificate

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

Plans can be modified to fit the needs of part-time students by adding more semesters

C1	C2	D	Semester 1	CR	Advising Notes
		●	EDUC 1100 - Effective Learning: Strategies for College Success	1-4	Students who have completed 12 or more college credit hours with a minimum grade of C may choose to substitute from the following 1 or 4 credit hour courses: BUSG 1193, KINE 1105, KINE 1108, KINE 1118, KINE 1125, KINE 1126, KINE 1127, KINE 1139, KINE 1141, KINE 1145; DFTG 2427, DFTG 2475, DFTG 2476.
●		●	SRVY 1301 - Introduction to Surveying	3	
●		●	SRVY 2343 - Surveying Legal Principles I	3	
●		●	DFTG 1405 - Technical Drafting	4	
		●	ENGL 1301 - English Composition I	3	
				14-17	**Program Semester Hours / Meet with your advisor**
			Semester 2		
		●	SPCH 1311 - Introduction to Speech Communication	3	
●		●	MATH 1314 - College Algebra	3	
●		●	SRVY 1341 - Land Surveying	3	
●		●	SRVY 1335 - Land Surveying Applications--Lab	3	
●		●	DFTG 2430 - Civil Drafting	4	
				16	**Program Semester Hours / Meet with your advisor**

			Semester 3		
		●	MATH 1316 - Trigonometry	3	
●		●	SRVY 2339 - Engineering Design Surveying	3	Capstone course for Level 1 Certificate.
●		●	SRVY 2341 - Engineering Design Surveying Lab	3	
		●	GOVT 2306 - Texas State and Local Government	3	
		●	DFTG 2421 - Topographical Drafting	4	
				16	**Program Semester Hours / Meet with your advisor**
			Semester 4		
●		●	SRVY 2344 - Surveying Legal Principles II	3	**ACHIEVEMENT:** Completion of Level 1 Certificate
		●	GEOG 2470 - Introduction to Geographic Information Systems (GIS)	4	
		●	SRVY 2486 - Internship -- Survey Technology/Surveying	4	Capstone course for AAS degree.
		●	Language, Philosophy, and Culture **OR** Creative Arts	3	Select from the appropriate section of the Core Curriculum Course List. **ACHIEVEMENT:** Completion of Associate of Applied Science degree
				14	**Program Semester Hours**
			Total Program Hours	**60-63**	

Please always check online at **austincc.edu/catalog** or meet with your academic or program advisor to ensure that you are viewing the latest and most accurate information.

Career & Transfer Resources

ACC's Career & Transfer websites provide detailed, guided information on career exploration and transfer.
www.austincc.edu/career
www.austincc.edu/transfer

For further information regarding this specific program, please see the Career & Transfer Resources supplement provided in the next section of this Program Map.

Program Map

Land Surveying Technology/Geomatics

Degree: Associate of Applied Science (AAS)
Certificate: Level 1 (C1)

Career & Transfer Resources Updated 2/21/18

Career Information

Surveying and mapping technicians collect data and make maps of the Earth's surface. Surveying technicians visit sites to take measurements of the land. Mapping technicians use geographic data to create maps. They both assist surveyors, cartographers, and photogrammetrists. Surveying technicians generally need a high school diploma, but some have postsecondary training in survey technology. Postsecondary training is more common among mapping technicians where an associate's degree or bachelor's degree in a relevant field, such as geomatics, is beneficial.

Common Job Titles
Mapping Technician, Surveying Technicians

Regional Labor Market Information
Surveying Technicians: New workers start around $30,047. Normal pay is $41,221 per year. Highly experienced workers can earn up to $70,913. Over the last year, 24 companies have posted 165 jobs for Surveying Technicians. There are currently 816 Surveying Technicians that are employed in Austin-Round Rock, TX.
Source: https://austincc.emsicc.com/careers/surveying-technician

Mapping Technician: New workers start around $30,047. Normal pay is $41,221 per year. Highly experienced workers can earn up to $70,913. Over the last year, 7 companies have posted 77 jobs for Mapping Technicians. There are currently 816 Mapping Technicians that are employed in Austin-Round Rock, TX.
Source: https://austincc.emsicc.com/careers/mapping-technician

Career and labor market research tools (see Quick Reference Guide at http://www.austincc.edu/career):
EMSI: https://austincc.emsicc.com/, Bureau of Labor Statistics: http://www.bls.gov/ooh/, O*NET: https://www.onetonline.org/

Career Resources: ACC's career services website provides information on career exploration and employment at http://www.austincc.edu/career. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an ACC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

Transfer Information

The Associate of Applied Science in Land Surveying Technology/Geomatics prepares students to directly enter the workforce. A Bachelor of Applied Arts and Sciences (BAAS) is an alternative transfer degree option for students in AAS programs who want to complete a 4-year degree.

Transfer Guides: *The universities listed here do not constitute an ACC endorsement. Transfer course evaluations and determination of what courses will count toward a bachelor's degree are made by the receiving transfer institution.*

Texas State University: http://www.owls.txstate.edu/undergraduate-degrees/applied-arts-sciences.html
Concordia University Texas: http://www.concordia.edu/academics/college-of-business-and-communication/baas-in-business.html
Texas A&M University Central Texas: https://www.tamuct.edu/degrees/undergraduate/business-management.html
Texas Tech University: https://www.depts.ttu.edu/universitystudies/prospective_students/baas.php

Additional Transfer Resources: ACC's transfer website provides information on additional colleges & universities: http://www.austincc.edu/transferguides. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at ACC will apply toward their bachelor's degree program.