



Program Map

Computer Information Technology: Computer Programming – Web Programming Specialization

Degree: Associate of Applied Science (AAS)

Certificate: Level 1 (C1)



COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Program Description: The Associate of Applied Science in Computer Information Systems (Computer Programming – Web Programming Specialization) includes courses from the Arts and Sciences Curricula, as well as a set of Web programming computer courses designed to train the student for an entry-level Web programming position.

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sites.austincc.edu/cs

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 <i>Placements based on TSI</i>	Mathematics Placement <i>Placements based on TSI</i>
<ul style="list-style-type: none"> □ Prerequisite for MATH 1314 - MATD 0390 with a C or better or a satisfactory score on the ACC Mathematics Assessment Test or completion of TSI requirements in mathematics. □ Prerequisite for MATH 1324 - MATD 0390 with a C or satisfactory score on the ACC Mathematics Assessment Test or completion of TSI requirements in mathematics. □ Prerequisite for ENGL 1301 - TSI complete in reading and writing or exempt. □ Prerequisite for COSC 1337 - COSC 1336 or department approval. □ Prerequisite for ITSE 2321 - COSC 1336 or department approval. □ Prerequisite for ITSE 2309 - COSC 1315 (or corequisite) or COSC 1336 (or corequisite) or department approval. □ Prerequisite for ITSE 1325 - COSC 1301 (or corequisite) or department approval. □ Prerequisite for ITSE 1307 - One semester of programming or ITNW 1325. □ Prerequisite for BCIS 2390 - Sophomore standing or department approval. 	<ul style="list-style-type: none"> □ Basic Developmental Courses □ ESOL Courses □ INRW Courses 	<ul style="list-style-type: none"> □ 0332 - Basic Math Skills □ 0370 - Elementary Algebra □ 0385 - Developing Mathematical Thinking □ 0390 - Intermediate Algebra □ 0421 - Developmental Math

D=Degree

C1=Level 1 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	D	Semester 1	CR	Advising Notes
	•	EDUC 1100 - Effective Learning: Strategies for College Success	1	New ACC Students with less than 12 SCH of successful college credit must take EDUC 1100 in their first semester. All other students can choose EDUC 1100 or another 1 credit hour course.
	•	MATH 1324 - Mathematics for Business and Economics OR MATH 1314 - College Algebra	3	
	•	ENGL 2311 - Technical and Business Writing	3	
•	•	COSC 1301 - Introduction to Computing	3	
•	•	ITSE 1301 - Web Design Tools	3	
	•	ITSE 1331 - Introduction to Visual Basic Programming NET OR	3	

		COSC 1336 - Programming Fundamentals I OR ITSE 1330 - Introduction to C# Programming		
			16	Program Semester Hours / Meet with your advisor
		Semester 2		
•	•	ARTC 1302 - Digital Imaging I	3	
•	•	ITSE 1311 - Beginning Web Programming	3	
	•	ITNW 1325 - Fundamentals of Networking Technologies	3	
	•	ITSE 2321 - Object-Oriented Programming (Java)	3	
	•	Programming Elective I	3	Select elective courses that is accordance with career objectives. Subject to departmental approval. Select Programming Elective I from GAME 1343, GAME 2341, ITSE 1303, ITSE 1330, ITSE 1391, ITSE 2305.
			15	Program Semester Hours / Meet with your advisor
		Semester 3		
	•	Oral Communication	3	Select from SPCH 1311, SPCH 1315, SPCH 1318, SPCH 1321.
	•	COSC 1337 - Programming Fundamentals II	3	
•	•	ITSE 2302 - Intermediate Web Programming	3	
	•	ITSE 2317 - Java Programming (Intermediate)	3	
•	•	ITSE 2309 - Database Programming: Oracle	3	ACHIEVEMENT: Completion of Web Developer Specialist Level 1 Certificate
			15	Program Semester Hours / Meet with your advisor
		Semester 4		
	•	Language, Philosophy, and Culture OR Creative Arts	3	Select from the appropriate section of the Core Curriculum Course List.
	•	Social and Behavioral Sciences	3	Select from the appropriate section of the Core Curriculum Course List.
	•	INEW 2338 - Advanced Java Programming: Visual	3	Capstone course.
	•	ITSE 1345 - Introduction to Oracle SQL and PL/SQL	3	
	•	ITSC 2264 - Practicum -- CIS, General OR Programming Elective II	2-4	Select Programming Elective II from COSC 2325, COSC 2436, GAME 1359, GAME 1394, GAME 2342, GAME 2344, ITSC 2337, ITSE 1303, ITSE 1359, ITSE 1392, ITSE 1394, ITSE 2305, ITSE 2331, ITSE 2349. ACHIEVEMENT: Completion of Web Programming Specialization Associate of Applied Science degree
			14-16	Program Semester Hours
Total Program Hours: 60-62				

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.

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Career & Transfer Resources Updated 4/17/18

Career Information

The data below are intended to be a guide and reference tool and represent local and regional employment information 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.

Texas Workforce Commission, Texas Education Agency Achieve Texas - <http://www.achievetexas.org/>

Bureau of Labor Statistics - <http://www.bls.gov/ooh/>

US Department of Labor - <https://www.onetonline.org/>

Transfer Information

The Associate of Applied Science in Computer Information Systems (Computer Programming – Web Programming Specialization) is a workforce pathway that provides students with the skills that local employers need in the Information Technology field. A Bachelor of Applied Arts and Sciences (BAAS) is a degree option for students in AAS programs who want to transfer and complete a 4-year degree.

Transfer Guides: *The universities listed here do not constitute an ACC endorsement. Transfer course evaluations and determination of which 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>

Tarleton State University: <http://www.tarleton.edu/degrees/bachelors/baas-business/>

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.