

Advisor \_\_\_\_\_



Name \_\_\_\_\_

Assigned By \_\_\_\_\_

Date \_\_\_\_\_

# EDUCATIONAL PLAN

## Associate in Applied Science – Application Development

Course Placement Recommendations: English \_\_\_\_\_ Reading \_\_\_\_\_ Math \_\_\_\_\_

<u>Fall Quarter First Year</u>			<u>Credits</u>
IT	101	Intro to Programming	5
IT	123	Desktop OS 1	5
WRT	105	Writing in the Workforce	OR
ENGL&	101	English Composition I (C)	5
			15
<u>Winter Quarter First Year</u>			<u>Credits</u>
IT	150	Relational Databases	5
IT	144	Microsoft Office for IT	5
MATH	Quantitative Skill Distribution (M)		OR
MATH&	141	Pre-Calculus I	5
			15
<u>Spring Quarter First Year</u>			<u>Credits</u>
IT	119	Web Scripting 1	5
IT	201	Networking Fundamentals	5
HR	110	Human Relations-Workplace	5
			15
<u>Fall Quarter Second Year</u>			<u>Credits</u>
CS&	131	C++	5
IT	121	Web Scripting 2	4
IT	245	Object-Oriented Coding	4
IT	Elective or CMST& 220 Public Speaking		3-5
			16-18
<u>Winter Quarter Second Year</u>			<u>Credits</u>
CS&	141	Java 1	5
IT	250	Discrete Structures	4
IT	255	Design Patterns	4
IT	Elective or Social Science Distribution (SS)		3-5
			16-18
<u>Spring Quarter Second Year</u>			<u>Credits</u>
IT	260	Advanced Web Development	5
IT	265	Mobile Applications	5
HLTH	145	Safety & Fitness (HF)	3
IT	Elective or Natural Science Dist. w/lab (S)		3-5
			16-18
<b>Total Credits 93-99</b>			
<b>IT Elective:</b> Any course with an IT or CS& course number			
Students interested in fulfilling BAS-IT:AD program admissions requirements should take ENGL& 101, CMST& 220, 5 credits of social science, 5 credits of natural science w/lab, and 5 credits of MATH& 128, 141 or 146, 5 credits in general education requirements			

QTR/YR _____	CREDITS _____
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**EMPHASIS:** Application Development  
**DEGREE:** Associate in Applied Science

**Purpose:** Provides students with training in the core IT and workplace competencies necessary to compete for entry-level employment in the Information Technology industries.

**Note:** Students thinking of transferring into an applied bachelors program that Centralia College offers, may need to take additional course work required for entrance:

- English Composition (5 credits)\*\* (note that English 102 and Public Speaking CMST& 202 are highly desirable, but not required)
- College-level math course (5 credits)\*\*
- Social Science course (5 credits)
- Natural Science course (5 credits)
- One additional course in English, college-level math, social science, or natural science (5 credits)

\*\* English Composition I and the college-level math class can replace the math and English course required in this degree program.

**Program Outcomes:**

- A. Creativity and innovation: Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
- B. Communication and collaboration: Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.
- C. Research and information fluency: Students apply digital tools to gather, evaluate, and use information.
- D. Critical thinking, problem solving, and decision making: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
- E. Digital citizenship: Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.
- F. Technology operations and concepts: Students demonstrate a sound understanding of technology concepts, systems, and operations.

**Learning Themes:** General education outcomes at Centralia College help students, faculty, and the general public identify what learning is expected when a student has completed a degree or program. The administration, faculty, and staff have agreed upon the following five Learning Ability Themes which students can expect to encounter in most courses and by the completion of any degree or program.

**Reasoning:** The ability to extract information from data, develop ideas and solutions, establish logical progression in thinking, and problem solve using such procedures as literary analysis or the scientific methods.

**Written, Oral and Visual Communication:** The ability to make oneself understood in public, interpersonal, professional, artistic, and technical arenas.

**Exploration-Self and Others:** An awareness of the values, beliefs, customs, and contributions of persons from one's own and other traditions, ethnicities, classes, and genders.

**Responsibility:** The ability to be accountable to self and society, and the natural world.

**Estimated Quarterly Program Costs (subject to change without notice)**

Resident Tuition (15 credits) and fixed fees*:	\$1399
US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$1536
Non US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$3202
*Tuition is subject to change due to State Legislative actions	
Books and supplies (estimate):	\$261
Lab fees:	\$115

*Centralia College does not discriminate against any person on the basis of race, color, national origin, disability, sex, genetic information, or age in admission, treatment, or participation in its programs, services and activities, or in employment. All inquiries regarding compliance with access, equal opportunity and/or grievance procedures should be directed to the Centralia College Vice President of Human Resources and Legal Affairs, 600 Centralia College Blvd., Centralia, WA 98531.*