

Advisor

Assigned By



Name

**INACTIVE CERTIFICATE**

Date

# EDUCATIONAL PLAN

## *Certificate of Proficiency in Application Development*

Asset Scores / Course Placement Recommendations: English \_\_\_\_\_ Reading \_\_\_\_\_ Math \_\_\_\_\_

COMPASS  
 ASSET

ENGL098  
 ENGL099

READ099

MATH095  
 MATH096

MATH098  
 MATH099

Quarter			Credits
IT	119	Web Scripting 1	5
IT	121	Web Scripting 2	4
IT	150	Relational Databases	5
IT	245	Object Oriented Coding	4
IT	250	Discrete Structures	4
IT	255	Design Patterns	4
IT	260	Advanced Web Development	5
IT	265	Mobile Applications	5
IT 131 (CS&131) C++ OR IT 224 (CS&141) Java 1			5
<b>Total Credits</b>			<b>41</b>

# EMPHASIS: Application Development

## DEGREE: Certificate of Proficiency

### Purpose:

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

### Program Outcomes:

Students who successfully complete this program will have demonstrated the ability to:

- 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 one-self 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.

#### Resourcefulness:

The ability to adapt to change, such as technological innovations or environmental conditions.

#### Responsibility:

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

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

Tests: ASSET/COMPASS	\$15
Resident Tuition (15credits) and fixed fees*:	\$1427
US Citizen Nonresident Tuition (15credits) and fixed fees *:	\$1576
Non US Citizen Nonresident Tuition (15credits) and fixed fees *:	\$3381
*Tuition is subject to change due to State Legislative actions	
Books and supplies (estimate):	\$427
Lab fees:	Refer to quarterly class schedule.

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