

LOCATION: KC Metro

## Object Oriented Software Development Using Java

**Program Description:** This object oriented software development program has been designed to provide a platform to help students with no prior technology background get into the rapidly growing technology industry. This program teaches students how to code in one language (Java), but also teaches the principles behind programming languages and software development so students have the skills to learn new frameworks and languages more quickly on the job in the future.

Additionally, this program teaches students how enterprise technology teams are structured and highlights the role of a software developer. To further empower the student, the students use technology tools, software, tips and tricks that most organizations use today.

### Program Details:

Students will participate in a blended learning environment that requires active participation. The overall program includes these components:

- Essential Skills for Employment Success
  - CoreBuilders© Workplace Success Skills in Active Learning, Self-Leadership, Integrity, Teamwork, Communications, Human Behavior, Goals, Problem Solving and Career Management.
- Technical Area
  - Software Development and Life Cycles
  - Java Fundamentals
  - Object Oriented Programming
  - Constructors and Strings
  - Memory Management
  - Data Structures
  - Exception Handling
  - Databases and Connectivity

Students will participate in a holistic learning program that strengthens their ability to apply the related knowledge, skills, and abilities required to successfully perform at a high level in life and on-the-job. In addition to Industry and Technical Competencies, the curriculum effectively addresses the Personal Effectiveness, Academic and Workplace Competencies (Tiers 1-3) of the DOL-ETA Competency Model Pyramid.

**Program Prerequisites:** 18 years of age or older, HS Diploma or equivalent, strong computer user skills, some programming experience preferred, and a strong desire to learn.

**Contact Hours (including out of class work):** 300

**Delivery Format:** Instructor-led

**Expected Award:** UCM Certificate of Completion

**Tuition:** \$5,600 (includes, books, fees and exam costs if applicable)

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or contact us at [extstudies@ucmo.edu](mailto:extstudies@ucmo.edu).