



Sophia Learning

CS1003: IT Career Exploration (1 semester credit)

COURSE DESCRIPTION

This course explores the skills you really need to thrive in IT, explaining how teams work together to build software, and giving you a real look at what it is like to work in the different IT roles including User Experience Designer (UX), Quality Assurance Engineer (QA), iOS Developer, Web Developer, and Software Engineer. Each of the Employability Skills for the 21st Century are explained with on the job applications including some engaging quality videos. There is also some commonly understood software development terminology uncovered and five careers outlined to explore the daily work, common challenges, and a sample project of each.

COURSE EFFECTIVE DATES: October 2020 - Present

PREREQUISITES: No prerequisites, non degree course.

LENGTH OF COURSE: This is a self-paced course. Students may use as much or as little time as needed to complete the course.

ACE CREDIT® RECOMMENDATION: In the lower-division baccalaureate/associate degree category, 1 semester hour in IT career exploration (9/20).

GRADING: This is a pass/fail course. You are required to complete all 7 formative and 3 summative assessments with an overall course average of 70% or better.

LEARNING OUTCOMES

Upon completion of the course, the student will be able to:

1. Identify the 21st Century employability skills.
2. Recall the steps in the software development life cycle and methodologies.
3. Recognize the skills and problems associated with user experience work.
4. Recognize the skills and problems associated with quality assurance work.
5. Recognize the skills and problems associated with iOS engineering work.
6. Recognize the skills and problems associated with web development work.
7. Recognize the skills and problems associated with software engineering work.

OUTLINE OF MAJOR CONTENT AREAS

- 21st Century Employability Skills
- Self and Social Awareness
- Technology
- Productivity
- Initiative
- Results Driven
- Communication
- Relationship Building
- Problem-Solving
- Innovation
- Agility
- Software Development Methodologies
- Daily Work, Sample Projects, and Opportunities and Challenges of the Role
- User Experience Designer (UX)
- Quality Assurance Engineer (QA)
- iOS Engineer
- Web Developer
- Software Engineer

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