

SOPHIA Learning

IT Career Exploration

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

Prerequisite(s): No prerequisites, non degree course.

Length of course: This is a self-paced course. Students have 60 days with an additional 30 day extension (if needed) to complete the course. Typical student work hours are approximately 10 hours.

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

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

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.

© 2020 Sophia Learning, LLC.