

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: ARC 297 **Credits:** 3

Course Title: Cooperative Education in Architecture

Course Description:

Supervises in on-the-job training for pay in approved business, industrial and service firms, coordinated by the college's cooperative education office. Is applicable to all occupational-technical curricula at the discretion of the college. 3 credits

General Course Purpose:

To provide students with part-time work experience in a design environment compatible with educational objectives to provide increased skills in Computer-Aided Drafting techniques while exposing them to the advanced features of drafting software. To enhance the student's understanding of the social skills required in a collaborative design environment. Provides the student with an opportunity to be compensated while performing tasks that support the employer's design production.

Course Prerequisites and Co-requisites:

Prerequisites: ARC 221 and DRF 232

Student Learning Outcomes:

Upon completing the course, the student will be able to:

- Apply critical-thinking and decision-making skills in on-the-job training in approved business, industrial and service firms
- Be available for work to accommodate the design firm's requirements
- Communicate effectively, both orally and in writing
- Show initiative in the performance of drafting duties
- Exhibit social skills in a work environment
- Interpret career goals based upon experience in a real setting
- Develop advanced skills working with Computer-Aided Drafting software in the work environment
- Use the learned skills and practices to build supervision potential for a drafting department in the design industry

Major Topics to Be Included:

- The student must maintain employment throughout the semester to acquire a total of 225 hours.
- Be available for work to accommodate the design firm's requirements.
- The student must maintain adequate records of work experience, including hours of work.
- The student must prepare a summary report of his/her co-op experience at least one week prior to the exam week or the last week of class.
- The student must meet regularly with the program head during the co-op period.

Effective Date/Updated: December 7, 2023