

**SOUTHEAST COMMUNITY COLLEGE**  
**CONSTRUCTION MANUFACTURING AND TECHNOLOGY DIVISION**  
**Energy Generation Operations Technology Program**  
**Revision Date: August 21, 2023**

**I. CATALOG DESCRIPTION**

Course Number: ENER1900  
Course Title: Internship  
Prerequisite(s): ENER1110 and ENER1115  
Catalog Description: On-the-job experience as a plant operator with employers. Application of skills and knowledge acquired in previous semesters. This work experience is non-paid employment. Students will meet with Internship Education Coordinator at the beginning of the course for pre-site visit orientation and related activities. Each site visit will consist of approximately 40 hours of on the job experience at various energy generating facilities. Students will maintain a daily record of each work experience.

Credit Hours: 3  
Class Hours: 15  
Internship Hours: 120  
Total Contact Hours: 135

**II. COURSE OBJECTIVES:** *Course will:*

- A. Provide participants the opportunity to become certified in Adult CPR/AED and First Aid.
- B. Provide students with meaningful experiences at a variety of work sites.
- C. Provide an opportunity for students to interact with station personnel while accompanying operators on their daily duties.
- D. Provide students with opportunities to learn proper work etiquette and communications expectations at various work sites.

**III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:**

- A. Student Learning Outcomes: *Student will be able to:*
  - 1. Learn to manage illness and injuries in the first few minutes until professional help arrives.
  - 2. Communicate with co-workers and respond to all participating company safety and operations requirements.
  - 3. Complete the items listed on each employer's "Cooperative Education/Internship Program Training Plan."
  - 4. Complete daily journals for all internship experiences. Submit these journals to the internship coordinator/instructor for evaluation after each internship visit.
- B. General Education Learning Outcomes (GELOs)
  - 1. GELO #2: Written Communication  
Outcome 5: Read and write in mechanically-sound, college-level English.

**IV. CONTENT/TOPICAL OUTLINE**

- A. Pre-internship activities will be completed including:
  - 1. Practice journal entries
  - 2. Control Room Simulator projects
  - 3. Various report practices

4. Human Performance improvement review and quiz
5. Internship site research assignment
- B. Site-specific safety procedures must be followed at each employer's site.
- C. Written summary of internship education experiences will be completed for each site and submitted to the internship coordinator/instructor.
- D. Student evaluation of internship education employer shall be completed for each site visit.
- E. Self-evaluation will be completed for each site.
- F. Data sheet for placement will be completed and updated.
- G. Written thank you letter will be completed for each employer. Internship coordinator/instructor will receive a copy of this letter.

## V. INSTRUCTIONAL MATERIALS

- A. Required Text(s): None required.
- B. Other Resources: Instructional material for the American Heart Association Heartsaver First Aid with CPR and AED Student Workbook will be provided by the HLTH3209 Course. Manufacturer's Manuals and Company Policies & Procedures as provided by employer. Required SCC Internship forms. All PPE required by internship sponsors. Recommended but not required: "*Plant Operator Selection System Secrets*" Mometrix Media LLC

## VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Methods of presentation typically include a combination of the following:
  1. DVD/Video driven and instructor lead/hands-on training.
  2. On-the-job training/job shadowing.
  3. Control Room Simulator practice.
  4. Student and instructor evaluations.
  5. Employer evaluations.

## VII. METHODS OF EVALUATION

- A. Methods of evaluation, although determined by the individual instructor, traditionally includes a combination of the following:
  1. Class participation
  2. Regular assignments
  3. Written exams and/or quizzes
  4. Performance and observational assessments

## VIII. SPECIFIC COURSE REQUIREMENTS

- A. Student must meet all of the following to receive a passing grade:
  1. Successfully complete a minimum of 120 hours of work in an approved internship location.
  2. Abide by all rules, procedures and requirements of each employer.
  3. Abide by all safety regulations established by the Energy Generation Operations program, approved internship education work sites, and associated industries.
  4. Demonstrate positive attitude, skills, and character commensurate with industry standards.
  5. All program policies of the Energy Generation Operations program and Southeast Community College will be strictly enforced.
  6. Complete all necessary forms and documents required by the course and internship policies of SCC.

7. A minimum grade of “C” or 70% is required to receive credit for this course.
8. A minimum grade of “B” or 80% is required to achieve the NUCP certificate, in accordance with ACAD 08-006, Revision 1, dated October 2016.