

**Program Overview** (slated to start Fall 2025):

Calhoun Community College’s Systems Engineering Technology Plus (SET Plus) program is a joint effort between the College and local industries to prepare a future workforce in systems engineering that is in demand in North Alabama as well as around the country.

SET Plus combines two years of academic and technical instruction with related, paid work experience with a sponsor employer. Students accepted into the program attend classes two days per week at Calhoun Community College and work three days a week for the sponsoring employer. The graduates of this program earn an Associate of Applied Science in Systems Engineering Technology.

- Computer Information Systems A.A.S. Systems Engineering Technology Concentration
- Traditional SET curriculum ([www.calhoun.edu/set](http://www.calhoun.edu/set))
- Work 3 days with industry and 2 days of classes
- 1-year/ 2 Semester commitment or 2-year/5 Semester commitment (Comparison chart below)

**1-Year and 2-Year Pilot SET+ Collaborative Program Comparison (Fall 2025 Cohort)**

	<b>1-Year Collaborative Program</b>	<b>2-Year Collaborative Program</b>
<b>Overview</b>	<ul style="list-style-type: none"> <li>• Current students only</li> <li>• 1st year of SET A.A.S. <b>before</b> entering collaborative program</li> <li>• 2nd year of SET A.A.S. <b>in</b> collaborative program</li> </ul>	<ul style="list-style-type: none"> <li>• Incoming freshmen only</li> <li>• Full SET A.A.S. in collaborative program</li> </ul>
<b>Courses</b>	<ul style="list-style-type: none"> <li>• 22 SET A.A.S. courses</li> <li>• 12 courses <b>before</b> collaborative program (Year 1 of A.A.S.)</li> <li>• 10 courses <b>in</b> collaborative program (Year 2 of A.A.S.)</li> </ul>	<ul style="list-style-type: none"> <li>• 22 SET A.A.S. courses</li> <li>• All courses in collaborative program</li> </ul>
<b>Semesters in Collaborative Program</b> <i>Guaranteed Internship</i>	<ol style="list-style-type: none"> <li>1. Fall 2025</li> <li>2. Spring 2026</li> </ol>	<ol style="list-style-type: none"> <li>1. Fall 2025</li> <li>2. Spring 2026</li> <li>3. Summer 2026</li> <li>4. Fall 2026</li> <li>5. Spring 2027</li> </ol>
<b>Core Exercises</b>	<ol style="list-style-type: none"> <li>1. Career Essentials</li> <li>2. Project Management</li> </ol>	<ol style="list-style-type: none"> <li>1. Career Essentials</li> <li>2. Project Management</li> <li>3. Communication &amp; Presentation</li> <li>4. Data Integration &amp; Interoperability</li> <li>5. Industry Certifications</li> </ol>
<b>Company Advantage</b>	<ul style="list-style-type: none"> <li>• Shorter commitment</li> <li>• Advanced skillset</li> </ul>	<ul style="list-style-type: none"> <li>• Early recruiting</li> <li>• Early on-the-job training</li> </ul>
<b>Employer Agreement Deadline</b>	<ul style="list-style-type: none"> <li>• January 8, 2025</li> </ul>	<ul style="list-style-type: none"> <li>• January 8, 2025</li> </ul>

- Additional specialty training (Core Exercises in the chart below)

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5
<b>Career Essentials</b>	<b>Project Management</b>	<b>Communication and Presentation</b>	<b>Data Integration and Interoperability</b>	<b>Industry Certification</b>
<ul style="list-style-type: none"> <li>• Computer Literacy</li> <li>• Math for Work</li> <li>• Financial Literacy</li> <li>• Communication</li> <li>• Workplace Etiquette</li> <li>• Resolving Problems in The Workplace</li> <li>• Employment Preparation</li> <li>• Workplace Safety</li> <li>• Healthy Workplace Environment</li> </ul>	<ul style="list-style-type: none"> <li>• Manage the project life cycle</li> <li>• Ensure appropriate communication</li> <li>• Manage resources and stakeholders</li> <li>• Maintain project documentation</li> </ul>	<ul style="list-style-type: none"> <li>• Present model to non-modelers</li> <li>• Secure the model</li> <li>• Data visualization from within the model</li> <li>• Present data orally and in writing</li> <li>• Utilize data visualization tools</li> <li>• Enhance teamwork and meeting skills</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare external data for import</li> <li>• Automate import of external data into MBSE models</li> <li>• Automate export of external data from MBSE models</li> <li>• Debug and validate imported data</li> </ul>	<ul style="list-style-type: none"> <li>• CompTIA Security+</li> <li>• CompTIA Project+</li> <li>• Instructor-Led Training</li> <li>• Lab Exercises</li> <li>• Self-Paced Study Material</li> <li>• Practice Exams</li> </ul>

## Student Requirements

To be considered for acceptance into the SET+ program, one of the following requirements must be met:

- Requirements met through one of the following criteria:
  - ACT Scores – Math: 17 or above | Writing: 17 or above
  - Equivalent Calhoun placement test scores [www.calhoun.edu/placement](http://www.calhoun.edu/placement)
  - One (1) letter of recommendation from an instructor or employer
- Participation in STEM-focused programs is preferred, but not required
  - Clubs or Organizations
  - Competitions or Conferences

### Selection Process

All eligible students' information is submitted to the sponsoring employers for review. After review, the sponsoring employers will interview the eligible students as a panel. Once this is complete, the selection process takes place through a draft.

## Contact

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