A.S. Engineering Technology in Avionic

The Avionics program is an Associate of Science Degree in Engineering Technology from a technical and practical perspective that trains high-quality professional technicians with great domain expertise, appropriate manual skills, and effective communication skills. This degree aims to develop the student's capacity to implement a selection of fundamental concepts of Science, Mathematics, Computers, General Engineering, and the expertise of Avionics. The program incorporates demonstration activities and workshops related to the repair and maintenance of navigation equipment, radio communications, radar systems, and other instruments and computers that control the aircraft electronic systems within dynamic industrial or technical services.

Program Educational Objectives

Graduates of the Engineering Technology in Avionics Program are expected to attain the following objectives:

1. Apply their knowledge in math, science, and engineering technology to solve technical problems related to aircraft electronic systems (radar, communications, navigation, and pulse systems).
2. Manage, interpret, and communicate technical and non-technical documents in cross functional teams.
3. Apply ethical principles and show respect for diversity and culture.
4. Recognize the importance of continually improving their knowledge through continuing education and formal studies.

Student Outcomes

1. an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline.
2. an ability to design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline.
3. an ability to apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results; and
5. an ability to function effectively as a member of a technical team

Program Criteria Outcomes (ABET):

This program does not have any Program Specific Criteria. The ETAC ABET General Criteria is utilized.

Enrollment and Graduation Engineering Technology in Avionics Program

Enrollment for the last years. The number of enrolled students, and the number of graduates, in the past five years is summarized in the following table:

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<tbody>
<tr>
<td>Enrollment</td>
<td>119</td>
<td>95</td>
<td>91</td>
<td>85</td>
<td>65</td>
</tr>
<tr>
<td>Graduates</td>
<td>8</td>
<td>13</td>
<td>13</td>
<td>10</td>
<td>12</td>
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Completion Rates: The Completion Rate is defined as all students who entered the determined admission term (includes readmissions, transfers, specials, etc.) in search of a university degree and have completed it 150% of the time. The changes made by the student during the period under analysis are not considered.

- 2016: 23.5%
- 2017: 27.9%
- 2018: 14.3%

View Program (curriculum)