Telecommunications

Degree Awarded: Certificate

Recommended Course Sequence

First Semester		Credits
ENG 160	Technical Writing Module	1.5
MAT 107	Technical Math 1	3
EET 101	Electric Circuits	4
EET 110	Computer Applications & Graphics	3

Second Semester		
EET 106	Telecommunications 1	4
EET 104	Digital Electronics 1	4

Third Semester		
ENG 161	Technical Writing Module	1.5
EET 107	Telecommunications 2	4
EET 206	Telecommunications 3	4

Total Credits: 29

Program Description

The Electrical Technology Telecommunications certificate will prepare students to succeed in a variety of areas in the field of Telecommunications. The course curriculum provides the students with the basics of DC and AC electrical circuits. They will build and test digital, electronic and telecommunications circuits. Students research, build and present a wireless communications project. Most courses in the program are a combination of lecture and lab. The lecture covers the theoretical aspect of the curriculum, while the lab provides hands-on experience, as well as reinforcing the concepts. A new state-of-the-art telecommunications lab, coupled with courses teaching current technology will provide students with a well rounded education and a competitive edge in the job market.

Admission Criteria

Admission to this program requires that students be high school graduates or have high school equivalency diplomas (GEDs). If students are not high school graduates, they may be eligible for admission to the College's 24 Credit Hour Program. If students are home schooled, they may be eligible for admission.

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Student Learning Outcomes

- develop logical techniques for designing, implementing and maintaining advanced telecommunications and electronic systems.

- design and troubleshoot telecommunication and electronic systems

- develop techniques to reason new concepts

- develop methods to maintain currency in technology fields

- utilize mathematics and computer software as the basic tools for the design and analysis of complex telecommunications and electronic systems.

- develop the ability to communicate effectively both in written and oral form.

- promote and develop teamwork and team building as an effective tool for increased productivity.

- mimic and develop standards workplace competencies.

Career Opportunities

Students will have diverse opportunities in the field of telecommunications.

Transfer Opportunities

The courses taken in the certificate program can be applied to the SUNY Orange Electrical Technology AAS Program.

Contact Information

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