

05-18

November 22 2005

Bachelor of Science in Electronics Engineering Technology (code ET__BS03)

This title change was recommended by the Academic Senate on December 9, 2004, approved by the President on January 3, 2005, and approved by the Chancellor's Office on November 9, 2005.

Bachelor of Science in Electronics Engineering Technology (code ET__BS03) (138 units)

Faculty Advisor - R-T "Ray" Wang (Electrical Engineering)

EE Department Office - VEC 512

Faculty Advisor's Office - ET 110

Faculty Advisor's Telephone - (562) 985-1695

The Electronics Engineering Technology program, accredited by TAC of ABET (Accreditation Board for Engineering and Technology Inc., 111 Market Place, Suite #1050, Baltimore, MD 21202, phone: 410-347-7710, website: <http://www.abet.org>), prepares the student for a position as a technologist, in such industries as aerospace, computers, communications, biomedical, chemical, power, etc. Students are offered a wide range of training in topics such as instrumentation, controls, microprocessors, microelectronics, biomedical electronics, communications, motors and generators, robotics, computer applications, programming and interfacing. Moreover the program emphasizes written and oral communications skills as well as modern methods of industrial administration and supervision. The program is designed to meet ABET criteria for accredited programs in engineering technology.

Requirements

Lower Division: CHEM 111A; MATH 120; ENGR 203, 203L, PHYS 100 A&B; ET 101, 170, 202, 202L, 204, 205, 205L, 250, 250L, 252, 252L, 255, 255L, 260, 260L, 286, 286L.

Upper Division: ET 309, 311, 341, 341L, 350, 350L, 360, 360L, 386, 386L, 387, 387L, 388, 388L, 410, 442, 442L, 488, 488L, 441, 444, 447, 447L, 460, 460L.

Select at least 2 units from the following, in consultation with an advisor: ET 301, 301L, 409B, 445, 445L.

Fieldwork Requirements

Fieldwork experience is required for the BS in Electronics Engineering Technology, consisting of no less than three months full-time (40 hours/week) (or equivalent part-time) of employment in an approved industry or governmental agency. The student must hold a position equivalent to a technician or higher which affords the opportunity to exercise responsibility usually given to those who have completed two years of college.

The fieldwork must be completed prior to graduation, be certified and approved by the faculty of the Department.

EFFECTIVE: Fall 2005

Code: ET__BS03

College: 52

Career: UG

IPEDS (Major) ERSS:

IPEDS (Degree) ERSD: 09255