

COLLEGE OF TECHNOLOGY

M. Wesley Shultz, *Dean*
Gerald W. Coy, *Associate Dean*
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BACCALAUREATE DEGREE CORE REQUIREMENTS

The BSET and BT core requirements are as follows:

BSET—21

ENGR120, ELCT141, 142, MECT121,
MECT235, INDT450, AGRI395 or
ENGT396 or GTEC395 or INDT315

BT—8

ENGR370, GTEC395, INDT310

General Courses

See inside front cover for symbol code. (Credits)

GTEC110 (2)

Freshman Seminar

College success and life enrichment skills. Included are an introduction to the resources of the university, principles of critical thinking, and Christian values clarification.

GTEC115 (2)

College Seminar

See description under GTEC110. Repeatable.

GTEC298 (1-32)

Prior Learning Assessment

Prior Learning Assessment (PLA) is a process which validates learning experiences occurring outside traditional college/university academic programs. A portfolio of evidence for demonstrating experience and competency justifies and determines the amount of credit granted. Repeatable with different topics.

GTEC395 (1-6)

Cooperative Work Experience

Supervised (by the dean or his appointee) on-the-job work experience with a cooperating industry. A minimum of 150 hours of work is required per credit. The student must submit a report of the cooperative work experience as specified by the instructor. Repeatable to 6 credits. Graded S/U. Prerequisites: an associate degree in technology or equivalent and permission of the dean. Students must apply and be accepted one semester in advance of their planned Cooperative Education experiences.

GTEC498 (1-32)

Prior Learning Assessment

See description under GTEC298. Total prior learning assessment credits (GTEC298 and 498) may not exceed 32 credits.

INDIVIDUALIZED PROGRAMS OF STUDY

For students who have career goals or special interests in areas other than those provided in one of the established majors or minors, a special individualized concentration is available in the

following degrees: Bachelor of Science, Bachelor of Science in Engineering Technology, Bachelor of Technology, and Associate of Technology. An individualized concentration may be planned to meet the career goals of a student. Before the beginning of the junior year for baccalaureate-degree students or the beginning of the sophomore year for associate-degree students, the student, with the assistance of his or her adviser, prepares a proposed program of study. The program must be approved by a department faculty and the College of Technology Academic Policies and Curricula Committee.

AERONAUTICAL TECHNOLOGY

Seamount Building (Airpark), Room 203
(616) 471-3548
FAX: (616) 471-6004
airinfo@andrews.edu
<http://www.andrews.edu/AVIA/>

Faculty

Allen Bernet, *Chair*
Richard L. Kaping
Harry Lloyd
Gary A. Marsh
John Norton
Glen Windler

Academic Programs	Credits
BSET: Aircraft Engineering Technology	155
BT: Aviation Technology Avionics/Maintenance (Airframe) Flight Flight/Business Flight/Maintenance Maintenance/ Business	124-128
AT: Aviation Technology Flight Maintenance (52)	62-74
Minor in Aviation Technology Flight Maintenance (32)	20
FAA-approved Part 141—Flight Training Commercial Pilot Flight Instructor Instrument Rating Multi-Engine Rating Private Pilot	
FAA-approved Part 147—Maintenance Technician Aircraft Airframe Aircraft Powerplant	

Students may choose program emphases (or a combination of them) in such areas as flight, maintenance, business, avionics, and engineering technology.

Programs

If any of the degree programs do not meet the needs of the student, an individualized major is available as described on this page.

BSET: Aircraft Engineering Technology

The BSET degree combines the aviation maintenance program with selected engineering courses and thus prepares the individual for activities between the pure engineer and a skilled craftsman (licensed A & P Technician).

Maintenance area courses (see below)	52
Technical core	20
MECT285, 326, 355, 370, 375	
Degree core	24