Tennessee State University

College of Engineering

Aeronautical and Industrial Technology Department

STUDENT HANDBOOK

2017 – 2019

A Tennessee Board of Regents Institution

GENERAL STATEMENT

A Bachelor of Science Degree (B.S.) in Aeronautical and Industrial Technology is offered with three (3) Concentrations: Industrial Electronics Technology, Aviation Management, and Aviation Flight Training.

The **Industrial Electronics Technology** Concentration prepares students for positions in business and industry that require a broad technical and management background. It emphasizes the maintenance, operation and management of systems and sub-systems within the industrial and manufacturing sector.

The Aviation Science Programs are designated to provide a coordinated program combining liberal arts with concentrations in either **Aviation Flight Training** or **Aviation Management**. These concentrations lead to a Bachelor of Science Degree. Students interested in future positions in industry-related aviation, especially as either pilots or as managers, will benefit from these concentrations. Tennessee State University is recognized by the Federal Aviation Administration as an **Aviation Education Resource Center**. Additionally, the University holds an FAR Part 141 Air Agency Certificate (TUOS674K) from the Federal Aviation Administration to conduct pilot ground school training.

Flight training is conducted through affiliate flight training schools located within a ten-mile radius of the main campus. Flight fees represent an additional cost to the student and are subject to market driven forces. For a list of affiliate flight schools and related costs, please contact Dr. William L. Anneseley, Department Head.

Academic credit for pilot certificates and ratings will be in accordance with FAR Part 141 or 61 and in accordance with pertinent University policies. Incoming freshman and transfer students must make an appointment with the Departmental Chair in order to have their FAA Certificates properly evaluated and documented.

EDUCATIONAL OBJECTIVES

The department programs draw upon the principles and applications of sound business management, arts and sciences and the latest in technology. These principles are applied in the proper utilization of products, services and the management of equipment and personnel.

The educational objectives for the Department of Aeronautical and Industrial Technology are as follows:

1. To provide the student with the knowledge of physical sciences, mathematics and engineering courses so that he/she has the capability to apply those principles within the aeronautical and industrial sector,
2. To familiarize the student with the systematic scientific approach to the identification and solution of practical problems encountered in the working environment,
3. To guide the student in determining the most effective ways for an organization to use the basic factors of production, people, machines, materials information, and energy in the making or processing a product,
4. To assist the student in developing managerial skills,
5. To develop professional attitudes, ethical character and a thorough understanding of the individual's role in society from both a national and international perspective,
6. To provide the student with intellectual challenges designed to stimulate a curiosity and desire for lifelong learning, and
7. To provide students with opportunities which will prepare them to interact effectively in multi-cultural and multi-discipline environments.

FOREWORD

The Aeronautical and Industrial Technology (AIT) Student Handbook is a means of facilitating communication among the members of the university community. The AIT Student Handbook should serve as a source of necessary and useful information that will help the student understand his responsibilities and contribute significantly to the continued high level of cooperative and constructive relationships between students and the department. Such relationships help develop positive responsible leadership and citizenship, deepened loyalty and heightened morale. The AIT Student Handbook is available at:

http://www.tnstate.edu/ait/.

Tennessee State University is proud to provide students with many opportunities to attend and participate in lecture series, theatrical events, parades, intercollegiate sports and a broad variety of educational and recreational activities. All students who attend university events, including but not limited to sporting events, commencement, convocation, concerts, debates, lecture series, and other events, or who participates in university activities as an attendee, participant, or team member may be recorded, photographed or videotaped. By participating in or attending events, students give the university permission to use their image, likeness, and voice to publish the same in any form of publication, including but not limited to print, electronic, video or Internet. Such materials may be used for educational or commercial purposes without payment from Tennessee State University.

The **Tennessee State University Student Handbook** is located in the Floyd-Payne Campus Center, Student Services Suite 308 and online via the Student Services website at:

http://www.tnstate.edu/campus_life/student_services.aspx

TAKEN FROM:
TENNESSEE STATE UNIVERSITY STUDENT HANDBOOK
Concerning Student Affairs, Conduct and Discipline

"THINK, WORK, SERVE"

The objectives of Tennessee State University are represented in the university's motto: **"Think, Work, Serve"**

As a land-grant institution, Tennessee State University has as its mandates instruction, research and public service. The university contributes to the advancement of all who seek its services and can profit from its broad educational programs. Tennessee State University stimulates its students and the citizens of Tennessee to reach their full potential through respect for inquiry and appreciation of their cultural traditions, imbues them with the desire to develop basic knowledge and skills that will enable them to succeed in an ever changing world, develops the leadership needed for the advancement of knowledge, and applies that knowledge toward the improvement of the quality of life for the citizens of our state and nation.

TAKEN FROM:
TENNESSEE STATE UNIVERSITY STUDENT HANDBOOK
Concerning Student Affairs, Conduct and Discipline

OUR ACCREDITING BODY

The Association of Technology, Management, and Applied Engineering (ATMAE) was formerly known as the National Association of Industrial Technology (NAIT). The primary purpose of ATMAE accreditation is to encourage and recognize the attainment of certain professional goals and standards for Technology, Management and Applied Engineering while encouraging "Continuous Quality Improvement".

The ATMAE accreditation is recognized by the Council for Higher Education Accreditation also known as CHEA and holds the same acknowledgment that is given to the Accreditation Board of Engineering and Technology (ABET).

ATMAE accreditation ensures that the Institution has met a series of standards to provide industry with highly competent employees and assures the graduate of an ATMAE accredited program that they are receiving a marketable degree through relevant curricula.

Institutions that earn accreditation from ATMAE confirm their commitment to quality and continuous improvement through a rigorous and comprehensive review process.

Rapid changes in the volatile and technical field of aviation have called for cooperative planning by the industry and education. To adjust and keep up with these changes, the Aeronautical and Industrial Technology (AIT) department at Tennessee State University (TSU) has entered into partnership with aviation and industry leaders who can provide assistance, time, support and opportunity for our graduates and the program overall.

This assistance will be accomplished by creating a forum with aviation and industry professionals and community leaders devoted to advancing and improving TSU's Aeronautical and Industrial Technology program. This forum of aviation and industry leaders committed to promoting the development of our industry's future aviation professionals constitutes the composite membership of our Advisory Board.

The Aeronautical and Industrial Technology Advisory Board (AITAB) is defined as a group of persons selected to advise and support the AIT Program at TSU. The Advisory Board is formally organized, and is authorized by the Department Head of AIT at TSU. Characteristics that distinguish advisory boards in general are: 1) they function as a recommending body to the Program and 2) members serve voluntarily without pay.

Find out more at:

http://atmae.org/

Advisory Board handbook found at:

http://www.tnstate.edu/ait/documents/TSUAdvisory%20By-laws-Handbook.pdf

TUITION DISCOUNTS

Academic Common Market Program

Discounted tuition rates are available for residents of AL, GA and KY in this department as part of the Academic Common Market (ACM) program. Residents of AR, DE, LA, MD, MS, OK, SC, VA & WV are eligible to apply under the ACM agreement and also receive the discounted rate when the program is approved for their state, which is automatic once the proper documents have been submitted.

Find more information on the Southern Regional Education Board Academic Common Market at:

http://www.sreb.org/academic-common-market

2 + 2 Program with Nashville State Community College

Students who receive their AS degree in **Pre-Industrial Technology at NSCC**, a program that consists of 60 semester hours, can transfer seamlessly into the **Industrial Electronics Technology** program at TSU. There they can earn their BS in Aeronautical and Industrial Technology by taking an additional 65 semester hours. This cooperative effort allows students to take their first two years at ***community college tuition rates*.** Students who optionally elect to take TEETH 1210 & TEETH 1215 at NSCC (an additional 5 credit hours) will only be required to take 60 credit hours at TSU.

More information on the 2+2 program can be found at:

http://ww2.nscc.edu/depart/docs/eeth/Adv_Pre-IndustrialTechnologyAS.pdf

AIT COURSE DESCRIPTIONS

AITT 1001 Introduction to Aeronautical & Industrial Technology (3) An overview of the subject areas in the Department of Aeronautical and Industrial Technology. Special attention is given to the areas of Aviation Flight Training, Aviation Management and Industrial Electronics.

AITT 2000, 2001 CIRCUITS ANALYSIS (3-1). Fundamental concepts of change, current, voltage and power, mesh and nodal analysis: Kirchhoff's laws, Thevenin's and Norton's Theorems, superposition, source transformations, natural and forced response of RL, RC and RLC circuits, transient and steady state analysis of linear circuits. Prerequisites: MATH 1710.

AITT 2200, 2201 CIRCUITS AND DEVICES (3-1). A course designed to provide a basic knowledge of electronic and electrical devices including their construction and operation. Topics covered include review of network theorems and linear models of diodes. Prerequisite: AITT 2000, 2001.

AITT 2350 GENERAL AVIATION OPERATIONS (3). Lectures deal with facilities, management, and finance, legal and insurance aspects of general aviation. The lectures focus on sales, line service, air taxi and flight schools. One or more field trips to general aviation operations will be held. A semester project is required.

AITT 2500 FLIGHT FUNDAMENTALS (3). An introduction to the aerospace industry including air transportation and manufacturing with emphasis in primary flight principles, aviation meteorology, navigation and FAA regulations. Weight and balance, engines and airframe overview.

AITT 2531 PRIVATE PILOT FLIGHT I (1). This course consists of flight instruction and ground tutoring necessary for the student to accomplish his/her first solo flight. Lessons include elements of flight principles, pre-and-post flight procedures, taxiing and ground handling, use of flight controls, basic maneuvers, take-offs, and landings. Introduction to aircraft systems, radio communications, and air traffic control procedures. Principal Topics Covered: Consist of flight instruction and ground tutoring for first solo flight. Prerequisite: AITT 2350, 2500 or Consent of Instructor.

AITT 2532 PRIVATE PILOT FLIGHT II (1). This course is a continuation of Private Pilot Flight I, designed to prepare the student for solo cross-country flight. Lessons provide greater proficiency in maneuvers, stalls, take-offs and landings, and emergency procedures. Introduction to night flight, various types of navigation and VOR tracking. Flight planning, cross-country flying culminating in solo cross-country. Principal Topics Covered: Designed to prepare students for solo cross-country flights. Prerequisite: AITT 2531.

AITT 2533 PRIVATE PILOT FLIGHT III (1). Continuation of Primary Flight II with emphasis on cross-country navigation, flying, flight planning and solo practice to gain proficiency in all basic maneuvers. Lessons include VFR radio and navigation, control of aircraft solely by reference to instruments. Private Pilot qualifications are completed. Principal Topics Covered: AITT 2532: Final preparation (ground tutoring and flight lessons) in preparation for the Federal Aviation Administration Flight Test. Prerequisite: AITT 2532.

AITT 3010 STATIC AND STRENGTHS OF MATERIALS (4). Statics of particles and rigid bodies in two and three dimensions. Stress-strain relation, displacements in truss, shafts, and beams. Prerequisite: MATH 1710.

AITT 3070 AVIATION MANAGEMENT (3). A study of the basic principles and existing practices used in managing and marketing as applied to the aviation industry. Includes problems, current issues and future trends related to aviation operations, planning and economic, and resource considerations.

AITT 3080 AIRPORT MANAGEMENT (3). Introductory course designed to acquaint the student with basic concept of airport planning and management. A comprehensive survey of a typical community with eye toward present and future business potential is made. This includes the social and economic characteristics, the political and governmental influences, and various stages and types of airport construction.

AITT 3090 INDUSTRIAL MATERIALS (3). An overview of the nature, composition and structure of industrial materials with emphasis on application properties, processing and the selection and fabrication of materials into products. Prerequisite: CHEM 1110, 1111

AITT 3110 INDUSTRIAL SAFETY (3). Development of the industrial safety movement, psychology in accident prevention, appraisal of accident cost factors, severity and frequency, job analysis and corrective measures, plant inspection and preventive maintenance, storage and handling of materials, fire prevention, education and training of employees.

AITT 3120 HUMAN FACTORS IN AVIATION (3). A study of the psychological and physiological effects that flight imposes on a pilot and aircrews. Also studied are information processing and display effects on the human being; the ability of flight crews to time-share their cognitive process and react under stress. Included is a study of various control manipulation, sensitivity and ease of movement. Prerequisite: PSYC 2010.

AITT 3140 Industrial & Production Management (3 Credit Hours). The problems of production, planning, controlling money, personnel, materials and machines are studied from the viewpoint of modern total quality control and management. Prerequisite: AITT 1001

AITT 3200 INTRODUCTION TO ROBOTICS (3). A study of robot structure, kinematics, dynamics, programming interfacing and applications. Two hours lecture and three hours laboratory. Prerequisites: MATH 1710, AITT 2000, 2001.

AITT 3270 Material Requirement Planning (3). An investigation of computer-based systems, which tie together capacity requirement planning, production planning and scheduling, purchasing inventory management and other processes to control manufacturing operations. Prerequisite: AITT 1001, 3140

AITT 3310, 3311 BASIC ELECTRONICS I (3-1). A study of basic electronic principles, circuits, devices. Included are diodes, linear models of bipolar and field effect transistors, biasing, small signal models. Prerequisite: AITT 2200, 2201.

AITT 3320, 3321 BASIC ELECTRONICS II (3). Multistage amplifiers, frequency response, feedback, stability, and linear amplifiers are studied. Operational amplifiers and filters are introduced. Prerequisites: AITT 3310, 3311.

AITT 3340 HYDRAULICS & PNEUMATICS (3). An introductory study of components, circuits and safety of fluid power systems. Basic principles of fluid statics and dynamics. Analysis of functions of components such as distribution systems, pumps, actuators and valves. Hydraulic and pneumatic circuits design and analysis. Fluid power maintenance and safety. Prerequisite: MATH 1710.

AITT 3350, 3351 DIGITAL LOGIC SYSTEMS (3-1). Analysis of digital systems, combinational and sequential circuits, and stored program concepts. Prerequisite: AITT 2000, 2001.

AITT 3380 Manufacturing Technology (3). Explores the principles, practices, functions and challenges of manufacturing management - using an approach that is accessible to those with little or no background in any of the areas of manufacturing organization and management. Prerequisite: AITT 1001.

AITT 3480 STATISTICAL QUALITY CONTROL (3). An introduction to the basic statistical methods, control charts, sampling techniques and the implementation of statistical process control programs as relates to today's TQM. Prerequisite: MATH 1710.

AITT 3520 INSTRUMENT GROUND INSTRUCTION (3). A study and review of the operations, regulations (FARs) and procedures necessary to perform competently as an instrument pilot. Prepares students for the instrument pilot written examination. Prerequisite: Private Pilot License or AITT 2350, 2500.

AITT 3550 COMMERCIAL GROUND INSTRUCTION (3). Ground instruction covering navigation systems, communications, principals of instrument flying, air traffic control procedures, approach and departure procedures, and FAA regulations. Prerequisite: Private Pilot License.

AITT 3560 FLIGHT INSTRUCTOR GROUND (3). Ground instruction on FAA regulations and publications, weather, advanced flight, computer operations, radio navigation, advanced aircraft and engine performance, and fundamentals of instructing. Prerequisite: Commercial Pilot's License with Instrument Rating.

AITT 3571 INSTRUMENT FLIGHT LAB (3). Flight and simulator training to perfect complex flight maneuvers using aircraft maximum performance and precision control as necessary to perform under instrument weather conditions. Prerequisite: Private Pilot License.

AITT 3581 COMMERCIAL FLIGHT LAB (3). A continuation course of AIT 3571, providing the additional flight and simulator training as required to perform as a commercial pilot with a multi-engine and instrument rating.

AITT 3591 MULTI-ENGINE FLIGHT LAB (1). A continuation course providing the additional flight and simulator training and practice as required to perform as a commercial pilot with a multi-engine and instrument rating.

AITT 3601 CFI FLIGHT LAB (2). A flight training course providing the additional flight, simulator training and practice as required to perform as a flight instructor for single engine airplane training. Prerequisite: Commercial Pilot License, Instrument Rating.

AITT 3700 AVIATION METEOROLOGY (3). Properties and conditions of the atmosphere, landforms and topography leading to an understanding of weather conditions. Prerequisites: PHY 2020, 2021.

AITT 3741, 3742 COOPERATIVE EDUCATION (3-3). Supervised and approved program and learning experiences undertaken by students in governmental, business or industry setting. Formal proposals, project objectives or learning plans must be reviewed and approved by faculty. Student activity and progress must be monitored, evaluated and graded by an assigned full-time faculty. Prerequisite: Consent of AIT Chair.

AITT 3810 THEORY OF FLIGHT & ENGINES (3). The laws of aerodynamics and nature as applied to aviation. The principals, familiarization and operation of the internal combustion engine and turbine engines.

AITT 3840 AIRCRAFT SYSTEMS ANALYSIS (3). Analysis of structure, mechanical, electrical and hydraulic systems of aircraft. Procedures for inspection, maintenance and repair. Study of appropriate FARs.

AITT 3900 AVIATION LEGISLATION (3). Legal concepts including federal, state and local legislation related to the operations, contracts, insurance and liability, regulatory statues and case law.

AITT 3950 AVIATION SAFETY (3). Major factors affecting the safe operations of aircraft on the ground and airborne. Major problem areas include: program evaluation, impact of accidents on industry, human factors, accident prevention, basic principles of investigation, and case surveys of accidents.

AITT 4020 AIRLINE OPERATIONS (3). An in-depth study of U.S. Air Carrier Operations. The economics, organization, and regulation of domestic air carriers are covered in detail. Air Carrier training programs, route structure, sizing a line, and present and future projections are explored within this course. Prerequisite: AITT 3070, 3120, MGMT 3010 or consent of instructor.

AITT 4040 INDUSTRIAL ELECTRONIC CONTROLS (3). Emphasis on the development of different electronic circuits to interface with or control sensors, transducers, motors, robots and other types of industrial machinery. Prerequisite: AITT 2200, 2201.

AITT 4100 FLUID POWER CONTROL & INTERFACE (3). A study of fluid power system control using microcomputers, microprocessors and programmable controllers. Prerequisite: AITT 3340.

AITT 4170 LINEAR INTEGRATED CIRCUITS (3). Ideal operational amplifiers, biasing, comparators, oscillators and filters are studied. Phase locked loops are introduced. Prerequisite: AITT 3320, 3321.

AITT 4180 AVIATION MARKETING MANAGEMENT (3). Selling and pricing business aviation services and creative marketing strategy are studied in an analytical approach to advertising, sales force administration, promotion, distribution, retailing, logistics, wholesaling, product planning, price policies, market research and consumer behavior. Prerequisite: AITT 4020, MGMT 3010.

AITT 4300 DIGITAL COMPUTER STRUCTURES (3). Organization and description of computers from the register transfer level through microprogramming, memory organization and I/O examples of current popular computers.

AITT 4400 INTRODUCTION TO AIR TRAFFIC CONTROL (3). A study of the national air traffic control system to include our basic operation procedures, the role of centers, approach control towers, flight service stations, communications, navigation procedures, radar FARs operations, and facilities.

AITT 4640 CFI INSTRUMENTS (3). A flight and ground school-training course providing training required to perform as an instructor for instrument training. Prerequisite: Commercial License/Instrument Rating.

AITT 4781, 4782 SPECIAL TOPICS IN INDUSTRIAL TECHNOLOGY I, II (3). Special subject presented to cover current problems of unique advances in the leading edge of technology. Prerequisites: Senior standing and consent of instructor.

AITT 4800 INTRODUCTION TO MICROPROCESSORS (3). An in-depth introduction to microprocessors. Topics covered are microprocessor hardware, software and architecture of both eight bit and sixteen bit machines, assembly on-line debugging tools. Prerequisite: AITT 3350, 3351.

Bachelor of Science Degree in
Aeronautical and Industrial Technology
for the Concentration of Aviation Management

FRESHMAN YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
UNIV 1000	1	MATH 1720	3
AITT 1001	3	ENGL 1020	3
ENGL 1010	3	CHEM 1110	3
MATH 1710	3	CHEM 1111	1
HPER/ROTC/BAND	1	HPER/ROTC/BAND	1
HUMANITIES/FINE ARTS ELECTIVE	3	HUMANITIES/FINE ARTS ELECTIVE	3
		ECON 2010	3
	14		17

JUNIOR YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
ENGL 3105	3	MGMT 3010	3
HIST 2020	3	AITT 3080	3
AITT 3070	3	AITT 3480	3
AITT 3120	3	AITT 3950	3
		AITT 3700	3
	12		15

SOPHOMORE YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
AITT 2350	3	COMM 2200	3
AITT 2500	3	PHYS 2020	3
PHYS 2010	3	PHYS 2021	1
PHYS 2011	1	ACCT 2020	3
ACCT 2010	3	PSYC 2010	3
HIST 2010	3	ENGL 2110	3
	16		16

SENIOR YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
ENGR 4500	1	ENGR 4510	1
ENGR 4900	1	MGMT 4070	3
AITT 4020	3	MGMT 4050	3
AITT 3110	3	AITT 4180	3
COMP 3000	3	AITT 4400	3
AITT 3741	3	AITT 3900	3
	14		16

TOTAL HOURS 120

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Bachelor of Science Degree in
Aeronautical and Industrial Technology
for the Concentration of Industrial Electronics Technology

FRESHMAN YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
UNIV 1000	1	MATH 1720	3
MATH 1710	3	ENGL 1020	3
ENGL 1010	3	CHEM 1110	3
AITT 1001	3	CHEM 1111	1
HPER/ROTC/BAND	1	HPER/ROTC/BAND	1
HUMANITIES/FINE ARTS ELECTIVE	3	HUMANITIES/FINE ARTS ELECTIVE	3
		ECON 2010	3
	14		17

SOPHOMORE YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
MATH 1910	4	PHYS 2020	3
PHYS 2010	3	PHYS 2021	1
PHYS 2011	1	HIST 2010	3
AITT 2000	3	COMM 2200	3
AITT 2001	1	PSYC 2010	3
ENGL 2110	3	AITT 2200	3
		AITT 2201	1
	15		17

JUNIOR YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
HIST 2020	3	AITT 3320	3
AITT 3310	3	AITT 3321	1
AITT 3311	1	AITT 3480	3
AITT 3350	3	MGMT 3010	3
AITT 3351	1	ENGL 3105	3
AITT 3200	3		
	14		13

SENIOR YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
AITT 3110	3	AITT 4800	3
AITT 4040	3	ENGR 4510	1
COMP 3000	3	AITT 4170	3
ENGR 4500	1	MGMT 4070	3
ENGR 4900	1	3000 – 4000 TECHNICAL OR NON TECHNICAL ELECTIVE	6
MGMT 4050	3		
	14		16

TOTAL HOURS 120

rev 06/28/2017

Bachelor of Science Degree in
Aeronautical and Industrial Technology
for the Concentration of Aviation Flight Training

FRESHMAN YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
UNIV 1000	1	MATH 1720	3
AITT 1001	3	ENGL 1020	3
ENGL 1010	3	CHEM 1110	3
MATH 1710	3	CHEM 1111	1
HUMANITIES/FINE ARTS ELECTIVE	3	HUMANITIES/FINE ARTS ELECTIVE	3
HPER/ROTC/BAND	1	HPER/ROTC/BAND	1
		ECON 2010	3
	14		17

SOPHOMORE YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
AITT 2350	3	COMM 2200	3
AITT 2500	3	AITT 2532	1
PHYS 2010	3	AITT 2533	1
PHYS 2011	1	PHYS 2020	3
ENGL 2110	3	PHYS 2021	1
HIST 2010	3	HIST 2020	3
AITT 2531	1	AITT 3520	3
		PSYC 2010	3
	17		18

JUNIOR YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
AITT 3070	3	ENGL 3105	3
AITT 3120	3	AITT 3581	3
AITT 3550	3	AITT 3700	3
AITT 3571	3	AITT 3950	3
		AITT 3480	3
	12		15

SENIOR YEAR

FALL SEMESTER Courses	HR	SPRING SEMESTER Courses	HR
AITT 3560	3	ENGR 4510	1
ENGR 4500	1	MGMT 4050	3
ENGR 4900	1	AITT 3900	3
AITT 3601	2	AITT 4400	3
AITT 3810	3	3000 – 4000 TECHNICAL OR NON TECHNICAL ELECTIVE	4
MGMT 3010	3		
	13		14

Courses carry additional flight fees*

TOTAL HOURS 120

rev 06/28/2017

****Flight training fees are in addition to the traditional University tuition and other standard expenses; fees are paid directly to flight instructor/school.***

AIT GRADUATION REQUIREMENTS

Social and Behavioral Sciences Electives must be chosen from the General Education list of Social and Behavioral Science courses approved by the University.

Humanities/Fine Arts Electives must be chosen from the General Education list of Humanities and Fine Arts courses approved by the University. One Humanities/Fine Arts Elective must be a sophomore level literature course (ex. ENGL 2110).

History must be from the General Education list of History courses approved by the University. They are currently listed on the website.

The FAA approved testing center Baker School of Aeronautics is the department's preferred testing center for flight training. See your departmental advisor for discounts and fee waivers.

Testing Facility: Bakers School of Aeronautics
100 Glidepath Way
Lebanon, TN 37087
(615) 784-4212

All graduating seniors must take and successfully complete all components of the Senior Exit Examination during their senior year. Registration for this exam may be found at Tennessee State University's Testing webpage at:

http://www.tnstate.edu/testing/types.aspx

General education core requirements for the state of Tennessee may be found at:

http://www.tnstate.edu/academic_affairs/generaleducation.aspx/

AIT Mailing Address:

Tennessee State University Main Campus
3500 John A. Merritt Boulevard
AIT, Main Campus Box 9550
Jackson Hall, Industrial Arts Building room 204
Nashville, Tennessee 37209-1561
615.963.5371/615.963.5376 *fax*

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Vice President 963-7451
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10th and Charlotte Avenues
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Visit us to discover the heart of our exciting TSU Tiger community.

Apply for admission, request information, or contact Tennessee State University today!

http://www.tnstate.edu/

Undergraduate Admissions

3500 John Merritt Boulevard

Floyd-Payne Campus Center, Suite 323

Nashville, TN 37209

888-463-6878 toll-free

615-963-5101 voice

615-963-2930 fax

Access TSU Catalogs online:

http://www.tnstate.edu/library/tsu_catalog_online.aspx

Academic Calendar:

http://www.tnstate.edu/academic_programs/academic_calendar.aspx