

**AERONAUTICAL AND INDUSTRIAL TECHNOLOGY, CONCENTRATION—AVIATION MANAGEMENT ACADEMIC MAP: DEGREE BS**

**(120 CREDIT HOURS)**

This degree map is a semester-by-semester sample course schedule for students majoring in **Aeronautical and Industrial Technology with a concentration in Aviation Management**. The milestones listed to the right of each semester are designed to keep a student on track to graduate in four years. The schedule serves as a general guideline to help build a full schedule each semester. Milestones are courses and special requirements necessary for timely progress to complete a major. When one or more milestones are missed, students should consult with an academic advisor to determine if another degree path would be more suitable.

The Aviation Science Programs are designated to provide a coordinated program combining liberal arts, engineering technology, management and industrial technology with a concentration in Aviation Management. This concentration leads to a Bachelor of Science Degree. Students interested in future positions in industry-related aviation, especially as managers, will benefit from this concentration. 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.

No student will be allowed to take any Departmental courses, major courses, engineering courses, mathematics and/or science courses without having a successfully completed the proper pre-requisite for those courses. All “D” grades earned in mathematics, science, departmental or major courses must be repeated the very next time the courses are offered until a minimum grade of “C” is earned. Students may graduate with a maximum of two “D” grades in these courses, however, lower level courses (1000-2000) must be passed with grade of “C” or better in order for the student to graduate.

Tennessee State University recognizes that students have diverse learning, life, and professional experiences. The University provides opportunities for students to earn college credit toward the degree through a number of assessment options that evaluate their learning experiences. These paths are grouped under the category “Prior Learning Assessment” (PLA). Various means of earning PLA credit at TSU are the following: Advanced Placement Program, American Council of Education (ACE) Military Credit, College Level Exam Program (CLEP), DSST Credit by Examination Program (includes DANTES Examination), Institutional Course Challenge Exams (Departmental Exams), International Baccalaureate Credit, Other Military Service, Portfolio Assessment. To learn more about PLA contact your academic advisor or the Office of Student Support Services for Adult and Distance Learners at (615) 963-7001 or [adultstudentsupport@tnstate.edu](mailto:adultstudentsupport@tnstate.edu).

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**Department Web Address:** <http://www.tnstate.edu/ait/aviationmgmt.aspx>

Fall Schedule		Milestones
<b>Semester 1</b>	<b>Hrs.</b>	<b>Semester 1</b>
		<b>Lower level courses (1000-2000) must be passed with grade of “C” or better in order to matriculate</b>
UNIV 1000*	1	Minimum Grade of “C” Required
AITT 1001	3	Minimum Grade of “C” Required
ENGL 1010	3	Pre-requisite Course: Must be taken before ENGL 1020, HIST 2010+; Minimum Grade of “C” Required
MATH 1710	3	Pre-requisite Course: Must be taken before MATH 1720; Minimum Grade of “C” Required
HPER/ROTC/BAND**	1	Minimum Grade of “C” Required
HUMANITIES ***	3	Minimum Grade of “C” Required
<b>Total Hours</b>	<b>14</b>	

\*An Orientation course taken at another University does not meet this requirement. Transfer students with less than 60 credit hours must take UNIV 1000 at TSU.

\*\*Students may choose a one credit hour course in ROTC-AERO ex. AERO 1021, 2011; and/or Marching Band – ex. MUSC 2010 University Marching Band; and/or any Health, Physical Education, & Recreation – ex. HPER 1010, 1011, 1013, 1032.

\*\*\*Students must take a 3 credit hour course from the list of approved general education Humanities courses: ex. AREN 2310, ART 1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1000, or RELS 2010. Students must remember not to duplicate a course option from a previous semester. Students must also be sure to not repeat approved general education Humanities courses within the University Honors course sections (ex. ENGL 2310 World Literature and ENGL 2312 Honors World Literature will not satisfy both Humanity electives).

Spring Schedule		Milestones
<b>Semester 2</b>	<b>Hrs.</b>	<b>Semester 2</b>
		<b>Lower level courses (1000-2000) must be passed with grade of “C” or better in order to matriculate</b>
MATH 1720	3	Pre-requisite Course: Must be taken before PHYS 2010/2011, AITT 3480; Minimum Grade of “C” Required
ENGL 1020	3	Pre-requisite Course: Must be taken before HIST 2010+; Minimum Grade of “C” Required
CHEM 1110/1111*	4	Minimum Grade of “C” Required
ECON 2010	3	Pre-requisite Course: Must be taken before MGMT 3010; Minimum Grade of “C” Required
HPER/ROTC/BAND**	1	Minimum Grade of “C” Required
HUMANITIES ***	3	Minimum Grade of “C” Required
<b>Total Hours</b>	<b>17</b>	

\*Students must have taken either High School Chemistry earning at least a 75% or CHEM 1000/1001 and two years of High School Algebra before enrolling in CHEM 1110/1111.

\*\*Students may choose a one credit hour course in ROTC-AERO ex. AERO 1021, 2011; and/or Marching Band – ex. MUSC 2010 University Marching Band; and/or any Health, Physical Education, & Recreation – ex. HPER 1010, 1011, 1013, 1032.

\*\*\*Students must take a 3 credit hour course from the list of approved general education Humanities courses: ex. AREN 2310, ART 1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1000, or RELS 2010. Students must remember not to duplicate a course option from a previous semester. Students must also be sure to not repeat approved general education Humanities courses within the University Honors course sections (ex. ENGL 2310 World Literature and ENGL 2312 Honors World Literature will not satisfy both Humanity electives).

Fall Schedule		Milestones
<b>Semester 3</b>	<b>Hrs.</b>	<b>Semester 3</b>
		<b>Lower level courses (1000-2000) must be passed with grade of "C" or better in order to matriculate</b>
AITT 2350	3	Co-requisite Course: Must be taken with AITT 2500; Minimum Grade of "C" Required
AITT 2500	3	Co-requisite Course: Must be taken with AITT 2350; Minimum Grade of "C" Required
PHYS 2010/2011	4	Pre-requisite Course: Must be taken before PHYS 2020/2021; Minimum Grade of "C" Required
ACCT 2010	3	Pre-requisite Course: Must be taken before ACCT 2020; Minimum Grade of "C" Required
HIST 2010*	3	Minimum Grade of "C" Required
<b>Total Hours</b>	<b>16</b>	

\*The Department recommends HIST 2010, however, HIST 2020, HIST 2030, HIST 2060, HIST 2070 or HIST 2700 also satisfy this requirement.

Spring Schedule		Milestones
<b>Semester 4</b>	<b>Hrs.</b>	<b>Semester 4</b>
		<b>Lower level courses (1000-2000) must be passed with grade of "C" or better in order to matriculate</b>
COMM 2200	3	Minimum Grade of "C" Required
PHYS 2020/2021	4	Pre-requisite Course: Must be taken before AITT 3700; Minimum Grade of "C" Required
ACCT 2020	3	Minimum Grade of "C" Required
PSYC 2010	3	Pre-requisite Course: Must be taken before AITT 3120; Minimum Grade of "C" Required
ENGL 2110*	3	Minimum Grade of "C" Required
<b>Total Hours</b>	<b>16</b>	

\*The department recommends ENGL 2110, however, courses within the range of ENGL 2012 - ENGL 2322 (Sophomore Literature course) will meet this requirement.

Fall Schedule		Milestones
<b>Semester 5</b>	<b>Hrs.</b>	<b>Semester 5</b>
		<b>Lower level courses (1000-2000) must be passed with grade of "C" or better in order to matriculate</b>
ENGL 3105	3	Pre-requisite Course: Must be taken before ENGR 4500
AITT 3070	3	Pre-requisite Course: Must be taken before AITT 4020
AITT 3120	3	Pre-requisite Course: Must be taken before AITT 4020
HIST 2020*	3	Minimum Grade of "C" Required
<b>Total Hours</b>	<b>12</b>	

\*The Department recommends HIST 2020; however, HIST 2030, HIST 2060, HIST 2070 or HIST 2700 satisfy this requirement.

Spring Schedule		Milestones
<b>Semester 6</b>	<b>Hrs.</b>	<b>Semester 6</b>
MGMT 3010	3	Pre-requisite Course: Must be taken before AITT 4020, AITT 4180, MGMT 4050, MGMT 4070
AITT 3080	3	
AITT 3480	3	
AITT 3950	3	
AITT 3700	3	
<b>Total Hours</b>	<b>15</b>	

Fall Schedule		Milestones
<b>Semester 7</b>	<b>Hrs.</b>	<b>Semester 7</b>
ENGR 4500*	1	Pre-requisite Course: Must be taken before ENGR 4510
ENGR 4900*	1	Pre-requisite: Graduating Senior
AITT 4020**	3	Pre-requisite Course: Must be taken before AITT 4180
AITT 3110	3	
COMP 3000	3	Permissible substitution: AITT 4300
AITT 3741***	3	
<b>Total Hours</b>	<b>14</b>	

\*Must be a graduating senior to enroll in these courses: ENGR 4500 and ENGR 4900.

\*\*A student may enroll in this course by either taking the pre-requisites: AITT 3070, AITT 3120, MGMT 3010 or by receiving consent of the instructor.

\*\*\*Departmental consent is required before enrolling in this cooperative education course, see Department Chair.

Spring Schedule		Milestones
<b>Semester 8</b>	<b>Hrs.</b>	<b>Semester 8</b>
		<b>Apply for Graduation and Take Senior Exit Exam</b>
ENGR 4510*	1	
MGMT 4050	3	
MGMT 4070	3	
AITT 4180**	3	
AITT 4400	3	
AITT 3900	3	
<b>Total Hours</b>	<b>16</b>	

\*Must be a graduating senior to enroll in this course: ENGR 4510.

\*\*A student may enroll in this course by either taking the pre-requisites: AITT 4020, MGMT 3010 or by receiving consent of the instructor.

**Employment Information:**

The Aviation Science Programs are designated to provide a coordinated program combining liberal arts, engineering technology, management and industrial technology with a concentration 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.

**Representative Job Titles Related to this Major:**

Airport Operations Manager, Experimental Flight Test Operations Manager, Aircraft Acquisitions Supervisor

**Representative Employers:**

United Parcel Service, United States Air Force, United States Navy, United States Coast Guard, Birmingham International Airport, Delta Air Lines, Indianapolis Airport Authority

**International study is available for all TSU students and may include opportunities for internships or taking course work towards various minors.** International study may have an impact on the academic map; therefore, it is important to consult with the academic advisor for this major before participating in an international Program opportunity. Students interested in study abroad opportunities should contact the Office of International Programs and consult with their academic advisor.

**Launch My Career Tennessee**

To better assist you in making decisions about the career for which you are preparing, a link to the website, Launch My Career Tennessee has been provided for you to explore. The tools on the site will give you a wealth of information concerning your degree choice and possible career pathways. For example, the site will allow you to determine the return on the investment you are making in your education by estimating expected earnings over the course of your career. Begin charting your course by clicking on the link below.

<http://launchmycareertn.org/>

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This map is not intended to be a contract; either expressed or implied, between the University and the students, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. TSU specifically reserves the right to change, delete or add to any MAP at any time within the student's period of study at the University.