

Course Name	Faculty Qualifications Needed	Related Disciplines	Acceptable Alternative Qualifications
AITT 1001 Introduction to Applied and Industrial Technologies	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2000 CIRCUITS ANALYSIS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2001 CIRCUITS ANALYSIS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2200 CIRCUITS AND DEVICES	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2201 CIRCUITS AND DEVICES	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2350 GENERAL AVIATION OPERATIONS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2500 FLIGHT FUNDAMENTALS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 2531 PRIVATE PILOT FLIGHT I	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2532 PRIVATE PILOT FLIGHT II	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 2533 PRIVATE PILOT FLIGHT III	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3010 STATIC AND STRENGTHS OF MATERIALS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3070 AVIATION MANAGEMENT	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3080 AIRPORT MANAGEMENT	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3090 INDUSTRIAL MATERIALS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 3110 INDUSTRIAL SAFETY	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3120 HUMAN FACTORS IN AVIATION	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3140 INDUSTRIAL & PRODUCT MANAGEMENT	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3200 INTRODUCTION TO ROBOTICS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3210 ROBOTICS II	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3250 INTRODUCTION TO CIM	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3260 CIM II	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 3270 MATERIAL REQUIREMENT PLANNING	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3280 COMPUTER NUMERICAL CONTROL	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3310 BASIC ELECTRONICS I	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3311 BASIC ELECTRONICS I	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3320 BASIC ELECTRONICS II	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3321 BASIC ELECTRONICS II	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3340 HYDRAULICS & PNEUMATICS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 3350 DIGITAL LOGIC SYSTEMS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3351 DIGITAL LOGIC SYSTEMS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3380 MANUFACTURING TECHNOLOGY	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3400 COMMUNICATIONS SYSTEMS TECHNOLOGY	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3450 ANTENNAS AND TRANSMISSION LINES	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3480 STATISTICAL QUALITY CONTROL	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3500 RADAR PRINCIPLES	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 3520 INSTRUMENT GROUND INSTRUCTION	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3550 COMMERCIAL GROUND INSTRUCTION	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3560 FLIGHT INSTRUCTOR GROUND	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3571 INSTRUMENT FLIGHT LAB	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3581 COMMERCIAL FLIGHT LAB	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3591 MULTI-ENGINE FLIGHT LAB	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3601 CFI FLIGHT LAB	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 3700 AVIATION METEOROLOGY	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3741 COOPERATIVE EDUCATION	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3742 COOPERATIVE EDUCATION	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3810 THEORY OF FLIGHT & ENGINES	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3840 AIRCRAFT SYSTEMS ANALYSIS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3900 AVIATION LEGISLATION	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 3950 AVIATION SAFETY	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aviation Law, Regulatory Law, or Transportation Law	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 4000 AIRCRAFT STRUCTURAL FACTORS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4020 AIRLINE OPERATIONS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4040 INDUSTRIAL ELECTRONIC CONTROLS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4100 FLUID POWER CONTROL & INTERFACE	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4170 LINEAR INTEGRATED CIRCUITS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4180 AVIATION MARKETING MANAGEMENT	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4200 COMPUTER INTERFACING & PERIPHERALS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 4210 DATA COMMUNICATIONS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4300 DIGITAL COMPUTER STRUCTURES	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4400 INTRODUCTION TO AIR TRAFFIC CONTROL	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4410 AIRCRAFT ELECTRICAL SYSTEMS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4420 AVIONICS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4640 CFI INSTRUMENTS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4670 CFI MULTI-ENGINE	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.

AITT 4781 SPECIAL TOPICS IN INDUSTRIAL TECHNOLOGY	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4782 SPECIAL TOPICS IN INDUSTRIAL TECHNOLOGY	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4800 INTRODUCTION TO MICROPROCESSORS	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 1002 Introduction to Drone Technology	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Computer Engineering, Mechanical Engineering, Electrical Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4900 Senior Seminar	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4500 Capstone Project I	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.
AITT 4510 Capstone Project II	Earned Masters or Doctorate degree in Applied/Industrial Engineering in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in Applied/Industrial Engineering.	Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Manufacturing Engineering	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in engineering, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in engineering related fields.