

Undergraduate Master Course Schedule

ERAU Worldwide-Department of Online Learning offers undergraduate Online courses twelve terms a year (Terms have monthly starts). All undergraduate Online courses are offered in a 9 week format. Terms will have varying start dates. This schedule is subject to change.

How to Self-Enroll in Classes**:

Login to ERNIE, then click Campus Solutions Student Center -> Click Enroll under Academics -> Choose term -> Enter class number or click Class Search -> Choose Online or Nearby Course -> Choose campus -> Choose location (choose *Online or *Eaglevision Home for these type of courses) -> Enter search criteria and click Search -> Select course and click Next -> To complete enrollment click Proceed to step 2 of 3 -> You should receive a registration confirmation email.

**New students must enroll with their advisor for their first term. Students must be free of any holds to self-enroll. Please contact your campus/advisor if you need further assistance.

Undergraduate Master Course Schedule 2020-23			
TERM		2570	2573
MONTH		Mar 2021	Apr 2021
Start Date		22-Mar	19-Apr
End Date		23-May	20-Jun
COURSE #	COURSE TITLE		
AMNT 240	General Aeronautics & Applications	YES	YES
AMNT 260	Aircraft Electrical Systems Theory		YES
AMNT 265	Aeronautical Electronics for Aviation Maintenance Technicians		
AMNT 270	Airframe Structures & Applications		YES
AMNT 271	Airframe Systems & Applications		YES
AMNT 280	Reciprocating Engine Theory & Applications	YES	
AMNT 281	Turbine Engine Theory & Applications	YES	
AMNT 416	Aviation Maintenance Management: A Global Perspective	YES	YES
ASCI 121	Private Pilot Operations	YES	
ASCI 121L	Airmen Knowledge Test Preparation	YES	
ASCI 202	Introduction to Aeronautical Science	YES	YES
ASCI 254	Aviation Legislation	YES	YES
ASCI 260	Unmanned Aerial Vehicles and Systems		
ASCI 301	Introduction to Air Traffic Control		
ASCI 303	Tower & Radar ATC & Management	YES	

ASCI 309	Aerodynamics	YES	YES
ASCI 316	Operational Business Aspects of Unmanned Aerial Systems		
ASCI 317	Rotorcraft	YES	
ASCI 318	Unmanned Aerial Systems Robotics		
ASCI 322	Aircraft Inspection and Scheduled Maintenance Programs	YES	
ASCI 327	Aviation Work Force Management in a Global Environment		
ASCI 357	Flight Physiology		YES
ASCI 378	Helicopter Flights Environment		
ASCI 388	Helicopter Flight Planning		YES
ASCI 401	Airport Development and Operations		
ASCI 403	Air Traffic Management		
ASCI 404	Applications in Aviation/Aerospace Law	YES	YES
ASCI 406	Airborne Law Enforcement		YES
ASCI 410	Unmanned Sensing Systems Technology		
ASCI 411	Human Factors in Air Traffic Management	YES	YES
ASCI 412	Corporate & Business Aviation		
ASCI 416	Aviation Maintenance Management: A Global Perspective		
ASCI 424	Maintenance Repair and Overhaul in Aviation	YES	
ASCI 426	Airport Management in Air Traffic Management		
ASCI 428	Advanced Helicopter Systems & Functions	YES	
ASCI 429	Adv. Technologies in Design & Prod. Of Aircraft Structures and		
ASCI 433	Aviation Logistics & Supply Chain Management		
ASCI 438	Advanced Helicopter Operations		YES
BIOL 120	Elements of Biological Science	YES	YES
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COURSE #	COURSE TITLE		
BSAB 410	Management of Air Cargo		YES
BSAB 412	Airport Planning and Design		YES
BSAB 415	Airline Management	YES	
BSAB 416	Space Tourism		
BSAB 418	Airport Administration and Finance	YES	
BSAB 425	Trends and Current Problems in Air Transportation	YES	
BSAB 426	International Aviation Management		YES
BSAB 450	Airline/Airport Marketing		
BSLD 275	Critical Thinking for Leadership		
BSLD 285	The Evolution of Leadership		
BSLD 300	Emotional, Social, Cognitive Intelligence		
BSLD 304	Coaching and Mentoring		
BSLD 310	Mediation, Negotiation, and Conflict Resolution	YES	
BSLD 315	Contemporary Leadership Theories		
BSLD 407	Driving Change in Organizations	YES	
BSSM 410	Safety & Health Regulations for Construction		
BUAN 301	Evid-Based Management: Need for Data		
BUAN 302	Communication and Ethical Issues in Data Analysis	YES	
CSCI 109	Introduction to Computers & Applications	YES	YES
CSCI 123	Introduction to Computing for Data Analysis		
COMD 225	Science and Technology Communication		
COMD 230	Digital Photography		
COMD 260	Introduction to Media		
COMD 265	Introduction to Newswriting and Reporting		

COMD 295	Rhetorical Strategies & Analysis	YES	
COMD 320	Mass Communication Law and Ethics		
COMD 322	Aviation and Aerospace Communication		
COMD 335	Technology and Modern Civilization		
COMD 350	Environmental Communication		
COMD 360	Media Relations I		
COMD 362	Communication and Organizational Culture	YES	
COMD 363	Communication and Society		
COMD 364	Visual Design	YES	
COMD 415	Nonverbal Communication	YES	
COMD 420	Applied Cross Cultural Communication		
COMD 460	Media Relations II		
CYBR 155	Foundations of Information Security		
CYBR 235	Computer & Network Technologies		
CYBR 335	Information Security Tools & Techniques	YES	
CYBR 365	Introduction to Digital Forensics		
CYBR 465	Cybercrime & Cyberlaw		
CYBR 474	Issues in Aviation Cybersecurity		
CYBR 485	War, Terrorism, & Diplomacy in Cyberspace		
ECON 210	Microeconomics	YES	YES
ECON 211	Macroeconomics	YES	YES
ECON 225	Engineering Economics		
ECON 312	Money and Banking		
ECON 315	Managerial Economics	YES	
ECON 411	International Economics	YES	
ECON 420	Economics of Air Transportation		
EMGY 310	Fundamentals of Emergency Management	YES	
EMGY 400	Introduction to Incident Command System		
EMGY 405	Disaster Policy & Management		
EMGY 430	Emergency Management and Contingency Planning	YES	
ENGL 106	Introduction to Composition	YES	YES

ENGL 123	English Composition	YES	YES
ENGL 143	Studies in Rhetorical Theory		
ENGL 221	Technical Report Writing	YES	YES
ENGL 222	Business Communication	YES	YES
ENGL 223	Collaborative Writing & Presenting		
ENGL 355	Creative Writing	YES	
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COURSE #	COURSE TITLE		
Engineering Science Courses			
AERO 309	Aerodynamic Performance of Flight Vehicles	YES	YES
CESC 220	Digital Circuit Design (Taken with CESC 222)	YES	YES
CESC 222	Digital Circuit Design Lab (Taken with CESC 220)	YES	YES
CHEM 139	General Chemistry I (Taken with CHEM 141)	YES	
CHEM 141	General Chemistry I Lab (Taken with CHEM 139)	YES	
ELEC 220	Circuits (Taken with ELEC 221)		
ELEC 221	Circuits Laboratory (Taken with ELEC 220)		
ELEC 230	Electronics (Taken with ELEC 231)	YES	YES
ELEC 231	Electronics Laboratory (Taken with ELEC 230)	YES	YES
ENGR 101	Introduction to Engineering		
ENGR 115	Introduction to Computing for Engineers	YES	YES
ENGR 120	Graphical Communications		
ENGR 121	Graphical Communications for Technical Management		
ENGR 330	Signals & Systems (Taken with ENGR 331)		
ENGR 331	Signals & Systems Laboratory (Taken with ENGR 330)		
ENGR 350	Project Engineering	YES	YES
ENGR 400	Fundamentals of Energy Systems		
ENGR 404	Mechatronics (Taken with ENGR 405)		

ENGR 405	Mechatronics Laboratory (Taken with ENGR 404)		
ENGR 450	Systems and Controls	YES	YES
ESCI 105	Fundamentals of Engineering		
ESCI 201	Statics	YES	YES
ESCI 202	Solid Mechanics		
ESCI 204	Dynamics	YES	YES
ESCI 206	Fluid Mechanics		
ESCI 305	Thermodynamics		
ESCI 325	Engineering Materials and Structures	YES	YES
ETEC 310	Material Science for Engineering Technology	YES	
ETEC 315	Circuits for Engineering Technology		
ETEC 409	Applied Aeronautics		
ETEC 410	Thermodynamics for Engineering Technology	YES	
ETEC 415	Control Systems	YES	
ETEC 420	Application of Engineering Technology		
ETEC 485	Professional Seminar		
MATH 143	Precalculus Essentials	YES	YES
MATH 201	Learning to Reason: Art & Quotient		
MATH 202	Learning to Reason: Commerce & Flux		
MATH 241	Calculus and Analytical Geometry I (4 credit)	YES	YES
MATH 242	Calculus and Analytical Geometry II (4 credit)	YES	YES
MATH 243	Calculus and Analytical Geometry III (4 credit)	YES	
MATH 345	Differential Equations and Matrix Methods	YES	YES
MECH 302	Introduction to Robotics I		
MECH 303	Robotics Laboratory		
MECH 313	Instrumentation & Data Acquisition		
MECH 314	Instrumentation & Data Acquisition Laboratory		
PHYS 150	Physics I for Engineers	YES	YES
PHYS 160	Physics II for Engineers		
PHYS 250	Physics III for Engineers (Taken with PHYS 253)	YES	
PHYS 253	Physics Laboratory for Engineers (Taken with PHYS 250)	YES	

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Emergency Services			
ESVS 201	Fire-Related Human Behavior	YES	
ESVS 301	Community Risk Reduction for the Fire and Emergency Services		
ESVS 302	Fire Dynamics		
ESVS 303	Fire Protection Structures and Systems		
ESVS 304	Fire Investigation and Analysis		
ESVS 305	Fire Prevention Organization and Management		
ESVS 400	Analytical Approaches to Public Fire Protection		
ESVS 401	Applications of Fire Research		
ESVS 402	Fire and Emergency Services Administration	YES	
ESVS 403	Disaster Planning and Control		
ESVS 404	Managerial Issues in Hazardous Materials	YES	
ESVS 405	Personnel Management for the Fire & Emergency Services	YES	
ESVS 406	Political and Legal Foundations of Fire Protection	YES	
ESVS 480	Adv. Principles in Fire & Emergency Services Safety & Surviv		
GNED 103	Basic Mathematics	YES	YES
GNED 104	Basic English	YES	
GOVT 320	American National Government	YES	
GOVT 325	International Studies		
GOVT 331	Current Issues in America		
GOVT 340	U.S. Foreign Policy		
GOVT 363	Inter-American Relations		
GOVT 402	Globalization and World Politics		

HIST 130	History of Aviation in America	YES	YES
HIST 302	Evolution of Scientific Thought		
HLSD 110	Introduction to Homeland Security	YES	
HLSD 215	Introduction to Industrial Security		
HLSD 280	Professional Skills in Homeland Security		
HLSD 290	Introduction to Environmental Security	YES	
HLSD 315	Critical Infrastructure Sec., Resilience, & Risk Analysis		
HLSD 320	Homeland Security Law & Policy		
HLSD 360	Strategic Planning & Decision Making in Homeland Security	YES	
HLSD 405	Emergent Topics in Homeland Security		
HLSD 410	Exercise Design & Eval in Homeland Security		
HUMN 142	Studies in Literature	YES	YES
HUMN 210	World Culture	YES	
HUMN 213	Introduction to Islamic Studies	YES	
HUMN 220	Asian Studies		
HUMN 300	World Literature		
HUMN 310	American Literature	YES	
HUMN 330	Values and Ethics	YES	YES
HUMN 333	How Fiction, Film, & Popular Culture Rep Science & Math	YES	
HUMN 400	Science and Aviation/Aerospace Technology in Society		
ISTA 230	Network Fundamentals for Server Systems		
ISTA 330	Identity & Access Control for Server Management		
ISTA 332	Advanced Server Systems Management		
ISTA 430	Topics in IT Systems Administration		
ISTA 432	Building Azure Infrastructures		
LGMT 236	Principles of Purchasing	YES	
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MATH 106	Basic Algebra & Trigonometry	YES	YES
MATH 111	Pre-Calculus for Aviation	YES	YES
MATH 112	Applied Calculus for Aviation	YES	YES
MATH 140	College Algebra	YES	YES
MATH 142	Trigonometry	YES	YES
MGMT 201	Principles of Management	YES	YES
MGMT 203	Management for Aeronautical Science	YES	YES
MGMT 210	Financial Accounting	YES	YES
MGMT 221	Introduction to Management Information Systems	YES	YES
MGMT 308	Public Administration		
MGMT 311	Marketing	YES	YES
MGMT 312	Managerial Accounting	YES	
MGMT 314	Human Resource Management	YES	YES
MGMT 317	Organizational Behavior	YES	YES
MGMT 320	Business Information Systems	YES	YES
MGMT 321	Aviation/Aerospace Systems Analysis Methods	YES	YES
MGMT 322	Aviation Insurance		
MGMT 324	Aviation Labor Relations	YES	
MGMT 325	Social Responsibility & Ethics in Management	YES	YES
MGMT 331	Transportation Principles		YES
MGMT 332	Corporate Finance I	YES	YES
MGMT 333	Personal Financial Planning		
MGMT 335	International Business	YES	YES
MGMT 371	Leadership	YES	YES
MGMT 385	Programming Concepts (formerly MGMT 395)	YES	
MGMT 386	Fundamentals of Information Systems Security	YES	
MGMT 387	Managing Risk in Information Systems		
MGMT 388	System Forensics, Investigation, and Response		
MGMT 389	Information Assurance and Information Quality	YES	
MGMT 390	Business Law	YES	YES

MGMT 392	Database Management	YES	YES
MGMT 393	Computer Networks	YES	
MGMT 394	Information Security Management		YES
MGMT 401	Information Security Policies		
MGMT 402	Legal Issues in Information Security		
MGMT 403	IT Audit and Control	YES	
MGMT 404	Business Continuity & Disaster Recovery Planning	YES	
MGMT 408	Airport Management	YES	
MGMT 411	Logistics Management for Aviation/Aerospace	YES	YES
MGMT 420	Management of Production & Operations		
MGMT 422	Information Technology Management, Strategy & Governance		
MGMT 427	Management of the Multicultural Workforce	YES	
MGMT 428	Business Analytics and Data Intelligence		
MGMT 436	Strategic Management	YES	YES
MGMT 440	Advanced Professional Logistics	YES	
MGMT 444	Principles of Supply Chain Management	YES	
MGMT 449	Strategic Marketing Management	YES	YES
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MGMT 482	Human Resource Training & Development		
MGMT 483	Compensation & Benefits		
MGMT 492	Information Systems Project Management		
MGMT 494	Aviation Information Systems		
MGMT 495	Staffing & Workforce Planning		
PHYS 102	Explorations in Physics	YES	YES
PHYS 123	Science of Flight	YES	YES
PHYS 142	Introduction to Environmental Science	YES	YES
PHYS 224	Astronomy		
PHYS 304	Environmental Science		

PMGT 300	The Profession		YES
PMGT 391	Introduction to Project Management	YES	
PMGT 394	Planning 2: Technical Soft Skills	YES	
PMGT 400	Project Risk, Execution, & Change	YES	
PMGT 424	Project Management in Aviation Operations	YES	
PMGT 461	Global Project Management		YES
PMGT 465	Managing Troubled Projects	YES	
PMGT 470	Agile PM		
PSYC 220	Introduction to Psychology		
PSYC 320	Aviation Psychology		YES
PSYC 326	Group and Team Behavior		
PSYC 340	Industrial-Organizational Psychology		
PSYC 350	Social Psychology		
PSYC 400	Introduction to Cognitive Science		
RSCH 202	Introduction to Research Methods	YES	YES
SCTY 310	Introduction to Security	YES	
SCTY 312	Global Crime & Criminal Justice Systems	YES	
SCTY 315	Studies in Intelligence I	YES	
SCTY 385	Intelligence Collection and Analysis		
SCTY 400	Airport Security	YES	
SCTY 410	Physical Security		
SCTY 415	Studies in Intelligence II		
SCTY 420	General Aviation Security	YES	
SCTY 430	Counterterrorism for Aviation		
SCTY 485	Corporate Security		
SCTY 488	National Security Issues & Terrorism	YES	
SFTY 201	Introduction to Health, Occupational and Transportation Safety		
SFTY 205	Principles of Accident Investigation		
SFTY 210	Introduction to Aerospace Safety		
SFTY 311	Fundamentals of Occupational Safety & Health		
SFTY 315	Environmental Compliance & Safety	YES	

SFTY 320	Human Factors in Aviation Safety	YES	YES
SFTY 321	Ergonomics		YES
SFTY 326	System Safety	YES	
SFTY 330	Aircraft Accident Investigation	YES	YES
SFTY 335	Mechanical & Structural Factors in Aviation Safety	YES	
SFTY 341	Occupational Safety & Health Program Management		YES
SFTY 345	Aviation Safety Program Management	YES	YES
SFTY 350	Aircraft Crash & Emergency Management	YES	YES
SFTY 355	Industrial Hygiene & Toxicology		YES
SFTY 360	Construction Safety		
SFTY 365	Fire Protection		
SFTY 375	Propulsion Plant Investigation		YES
SFTY 409	Aviation Safety	YES	YES
SFTY 410	Design of Engineering Hazard Controls		
SFTY 415	Human Reliability and Safety Analysis	YES	
SFTY 420	Systems Design for Fire and Life Safety	YES	
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SFTY 421	Ergonomics II		
SFTY 435	Aircraft Crash Survival Analysis & Design		YES
SFTY 440	System Safety Management	YES	
SFTY 450	Loss Control & Insurance		
SFTY 453	Constriction Scheduling & Control		YES
SFTY 457	Industrial Safety for Facilities Managers		
SFTY 462	Health, Safety, and Aviation Law	YES	

SFTY 470	Advanced Occupational Safety & Health Technology		
SOCI 210	Introduction to Sociology	YES	
SOCI 300	Marriage and Family		
SOCI 310	Personality Development	YES	
SPCH 219	Speech	YES	YES
STAT 211	Statistics with Aviation Applications	YES	YES
STAT 222	Business Statistics	YES	YES
STAT 320	Decision Mathematics	YES	
STAT 412	Probability and Statistics	YES	YES
TRAN 274	Transportation Science	YES	
TRAN 321	Air Transportation Systems		
TRAN 331	Road and Highway Transportation		
TRAN 401	Transportation and the Environment		
TRAN 411	Strategic Intermodal Alliances		
TRAN 421	Transportation Safety and Security		
UNSY 205	Applied Physics for Unmanned Systems		
UNSY 235	Unmanned Aircraft Systems Operation and Cross-Country Data Entry		
UNSY 235L	UAS Data Planning		
UNSY 307	Unmanned Systems Networking		
UNSY 311	Unmanned Ground Systems & Applications	YES	
UNSY 313	Unmanned Maritime Systems & Applications		
UNSY 315	Unmanned Aerial Systems and Operations		
UNSY 316	Operational Business Aspects of Unmanned Aerial Systems	YES	YES
UNSY 318	Unmanned Aerial Systems Robotics		YES
UNSY 319	UNSY Cybersecurity and Countermeasure Considerations	YES	
UNSY 321	Unmanned Systems Localization & Path Planning		

UNSY 325	Unmanned Systems Testing and Inspections	YES	
UNSY 329	Unmanned Systems Computation & Programming		
UNSY 331	Unmanned Systems Legal & Regulatory Compliance	YES	
UNSY 405	Unmanned Systems Operational Environments & Conditions	YES	
UNSY 410	Unmanned Sensing Systems Technology	YES	
UNSY 415	Unmanned Space Systems & Application		
UNSY 421	Unmanned Systems Mission Planning	YES	
UNSY 431	Unmanned Systems Human Factors Considerations		
UNSY 435	sUAS Practical Application and Assessment	YES	
WEAX 201	Meteorology I	YES	YES
WEAX 302	Aviation Weather	YES	
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UGCP	Senior Thesis & Capstones		
ASCI 490	Aeronautical Science Capstone Course	YES	YES
AMNT 490	Aviation Maintenance Capstone Course	YES	YES
BSIS 473	Senior Thesis		
BSSM 490	Safety Management Capstone Course		
COMD 495	Senior Project		
ENGR 490	Capstone Design Project I		
ENGR 491	Capstone Design Project II	YES	YES
ETEC 490	Engineering Technology Capstone		YES
HLSD 495	Homeland Security Capstone I		
HLSD 496	Homeland Security Capstone II	YES	
PMGT 490	Project Management Capstone		
SCTY 490	Aviation Security Capstone Course		

UNSY 490	Unmanned Systems Application Capstone	YES	
UNSY 491	Operational Applications in Unmanned Systems	YES	
Contact your campus or advisor for information regarding all capstone courses.			