

# General Education

## General Education Program Courses

General Education courses may be chosen from the list below, assuming prerequisites are met. New courses added to the General Education list may be used for previous catalogs, as long as the previous catalog requirement allows selection of any course from the General Education course list rather than a specific course. See degree programs for recommended courses in Mathematics, Computer Science, and Physical/Life Sciences.

### Communication Theory and Skills (9)

COMD 180	Media Literacy	3
COMD 219	Speech	3
COMD 225	Science and Technology Communication	3
COMD 265	Introduction to Newswriting and Reporting	3
COMD 295	Rhetorical Strategies and Analysis	3
COMD 322	Aviation and Aerospace Communication	3
COMD 350	Environmental Communication	3
COMD 362	Communication and Organizational Culture	3
COMD 420	Applied Cross Cultural Communication	3
ENGL 123	English Composition	3
ENGL 143	Introduction to Rhetoric	3
ENGL 221	Technical Report Writing	3
ENGL 222	Business Communication	3
ENGL 223	Collaborative Writing & Presenting	3
ENGL 355	Creative Writing	3
SSES 224	Intelligence Writing	3

### Mathematics (6)

MATH 111	Pre-calculus for Aviation	3
MATH 112	Applied Calculus for Aviation	3
MATH 140	College Algebra	3
MATH 142	Trigonometry	3
MATH 143	Precalculus Essentials	3
MATH 201	Learning to Reason: Art and Quotient	3
MATH 202	Learning to Reason: Commerce and Flux	3
MATH 241	Calculus and Analytical Geometry I	4
MATH 242	Calculus and Analytical Geometry II	4
MATH 243	Calculus and Analytical Geometry III	4
MATH 345	Differential Equations and Matrix Methods	4
STAT 211	Statistics with Aviation Applications	3
STAT 222	Business Statistics	3

### Computer Science/Information Technology (3)

CSCI 109	Introduction to Computers and Applications	3
CSCI 123	Introduction to Computing for Data Analysis	3
CSCI 251	Introduction to Programming for Data Science	3
CYBR 235	Computer and Network Technologies	3
ENGR 115	Introduction to Computing for Engineers	3

### Physical and Life Sciences (6)

CHEM 110	General Chemistry I	3
CHEM 110L	General Chemistry I Laboratory	1
PHSC 301	Introduction to Public Health Science	3
PHYS 102	Explorations in Physics	3
PHYS 123	Science of Flight	3
PHYS 142	Introduction to Environmental Science	3
PHYS 150	Physics I for Engineers	3
PHYS 160	Physics II for Engineers	3
PHYS 199	Special Topics in Physical Science	1-4
PHYS 224	Astronomy	3

PHYS 250	Physics III for Engineers	3
PHYS 253	Physics Laboratory for Engineers	2
PHYS 299	Special Topics in Physics	1-4
PHYS 304	Environmental Science	3
PHYS 359	Self-Directed Exploration of Environmental Science	3
PHYS 399	Special Topic Physical Sciences	3
PHYS 499	Special Topic Physical Science	1-4
WEAX 201	Meteorology I	3
WEAX 301	Aviation Weather	3
WEAX 322	Space Weather	3

### Humanities and Social Sciences (12)

<b>Humanities</b>		
ENGL 143	Introduction to Rhetoric	3
HUMN 142	Studies in Literature	3
HUMN 200	Warriors in World Literature	3
HUMN 210	World Culture	3
HUMN 213	Introduction to Islamic Studies	3
HUMN 220	Asian Studies	3
HUMN 250	Generative Artificial Intelligence in Real-World Contexts	3
HUMN 240	History of Communication Technologies	3
HUMN 241	Introduction to Digital Humanities	3
HUMN 256	Baseball History and Statistics	3
HUMN 299	Special Topics in Humanities	1-6
HUMN 300	World Literature	3
HUMN 310	American Literature	3
HUMN 330	Values and Ethics	3
HUMN 333	How Fiction, Film and Popular Culture Represent Science and Mathematics	3
HUMN 340	Aviators and Aviation in Film	3
HUMN 350	War in Contemporary American Literature	3
HUMN 399	Special Topics in Humanities	1-6
HUMN 400	Science and Aviation/Aerospace Technology in Society	3
HUMN 430	Ethics in Aviation	3
HUMN 431	Ethics and Artificial Intelligence	3
HUMN 499	Special Topics in Humanities	1-6

### Social Sciences

BSHF 300	Human Factors I: Principles and Fundamentals	3
ECON 210	Microeconomics	3
ECON 211	Macroeconomics	3
ECON 450	Econometrics through the Lens of Data Science	3
GOVT 320	American National Government	3
GOVT 325	International Studies	3
GOVT 331	Current Issues in America	3
GOVT 340	U.S. Foreign Policy	3
GOVT 363	Inter-American Relations	3
GOVT 401	American Constitutional Law	3
GOVT 402	Globalization and World Politics	3
HIST 119	U.S. History to 1865	3
HIST 130	History of Aviation in America	3
HIST 302	Evolution of Scientific Thought	3
HIST 331	Moments of Crisis in U.S. Military History	3
PSYC 220	Introduction to Psychology	3
PSYC 320	Aviation Psychology	3
PSYC 355	The Psychology of Creativity and Innovation	3
PSYC 360	Cultural Psychology	3

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PSYC 440	The Psychology of Resilience	3
RSCH 200	Inquiry & Discovery: Exploring Academic Sources	3
SOCI 210	Introduction to Sociology	3
SSES 110	Critical Thinking in Contemporary Problems	3