

## General Education

Norwich University General Education Goals are designed to provide students with the intellectual tools to experience, explore and master new topics throughout a period of life-long learning. To this end, at least forty credit hours in every major must be dedicated to basic literacy in English, mathematics, humanities, social sciences, and science outside the area of major concentration. Required 100 level courses in English, language, and mathematics should be completed by the end of the sophomore year. If a student fails to meet this requirement, he/she must enroll for these courses first semester junior year.

Students may not combine catalogs to meet graduation requirements; the catalog used must be the same for the requirements of majors, minors and General Education.

The **Associate of Science** will complete Goals 1 through 6. In addition, Critical Thinking PHLS 205 is required as a stand alone requirement and cannot be used to fulfill Goal 3: Arts/Humanities.

### Goal 1 Critical Reading, Writing & Research

Students will write with clarity and precision, and read with comprehension. They will exercise the skills of independent inquiry, that is, to find, analyze, synthesize, and critically evaluate information in the respective discipline.

This objective will be reinforced by critical reading, writing, and research throughout the curriculum, and culminate in a capstone course in each major. Wherever graded written work is required, part of the grade must be used to evaluate clarity and precision, and to reinforce the writing mechanics learned.

#### Outcomes: Students will be able to

- Construct a clear thesis supported by evidence from primary and secondary sources
- Develop knowledge of linguistic structures, including grammar, punctuation, and spelling, through practice in composing and revising
- Demonstrate conventions for structure, paragraphing, tone, and mechanics
- Apply appropriate citation styles

#### Courses that meet Goal 1:

EN 101	Composition and Literature I	3
EN 102	Composition and Literature II	3
EN 110	Writing and Inquiry in Public Contexts	3
EN 111	Writing and Inquiry in Academic Contexts	3
COMM 301	Business & Professional Writing (CGCS)	3
COMM 302	Data Analysis and Writing (CGCS)	3
SOCI 401	Culture and Anthropology (CGCS)	6

### Goal 2 Mathematics & Quantitative Reasoning

Students will achieve an understanding of mathematical and quantitative reasoning and its place in today's world. They should understand how to construct mathematical models as a means of formulating problems and be able to apply appropriate logical, quantitative, and technological methods to solve problems. Students must complete two mathematics courses.

#### Outcomes: Students will be able to

- Organize, analyze, and interpret quantitative information
- Select and apply a mathematical model, including the appropriate quantitative methods and/or technology, to find a solution to a problem motivated by a real-world situation

- Communicate mathematical reasoning clearly and coherently

#### Courses that meet Goal 2:

MA 101	Mathematics: A Liberal Art	3
MA 102	Mathematics: A Liberal Art	3
MA 107	Precalculus Mathematics	4
MA 108	Applied Calculus	4
MA 121	Calculus I	4
MA 122	Calculus II	4
MA 161	Mathematics for Elementary School Teachers II	3
MA 212	Finite Mathematics	3
MA 220	Geometry in Action	3
MA 232	Elementary Statistics	3
MA 236	Statistical Methods in Health Sciences	3
MA 240	Introduction to Number Theory and Cryptology	3
MA 306	Discrete Mathematics	3
MA 318	Cryptology	3
MA 360	Teaching Mathematics at the Elementary - Middle School Level	3
MATH 232	Elementary Statistics (CGCS)	3

### Goal 3 Human Expression in Literature, History, Arts & Humanities

Students will possess a knowledge of, and appreciation for, the variety of human expression found in cultures and civilizations of the United States and the world. This will be achieved by requiring students to take one course in history, one course in literature, and one course in arts and humanities. A course that is listed in multiple categories will fulfill one or the other criteria, not both.

#### Outcomes: Students will be able to

- Demonstrate a working knowledge of the vocabulary and methods in the discipline of the course
- Locate, assess, and utilize primary and secondary sources
- Demonstrate knowledge and understanding of the variety of human expression
- Demonstrate a working knowledge of the relevant discipline's authors and texts, philosophical issues, historical processes and contingencies, or recognized creative works within their geographical, cultural, and/or historical contexts

#### Courses that meet Goal 3:

##### Literature Courses

EN 199	Pilot Course in English at the Lower Level	3-6
EN 210	Modern Short Story	3
EN 220	Children's Literature	3
EN 222	Introduction to World Literatures	3
EN 225	Survey of British Literature I	3
EN 226	Survey of British Literature II	3
EN 227	Survey of American Literature I	3
EN 228	Survey of American Literature II	3
EN 239	Introduction to Theater	3
EN 244	The Literature of Leadership	3
EN 245	Science Fiction Literature	3
EN 250	Crime in Literature	3
EN 251	Literature of the Sea	3
EN 253	Approaches to Shakespeare	3
EN 270	Military Literature	3
EN 272	Veterans' Literature and Writing	3
EN 282	Literary Methods	3

EN 292	American Roots	3	EN 203	Advanced Composition	3
EN 299	Pilot Course in English at the Lower Level	3	EN 210	Modern Short Story	3
EN 322	Topics in World Literatures	3	EN 220	Children's Literature	3
EN 350	History of the English Language	3	EN 222	Introduction to World Literatures	3
EN 370	Topics in British Literature	3	EN 225	Survey of British Literature I	3
EN 373	Major Author	3	EN 226	Survey of British Literature II	3
EN 390	Topics in American Literature	3	EN 227	Survey of American Literature I	3
EN 399	Pilot Course in English at the Upper Level	3	EN 228	Survey of American Literature II	3
EN 420	Thematic Seminar-Literature	3	EN 239	Introduction to Theater	3
EN 425	Directed Study In Literature	3	EN 240	Technical Aspects of Theatrical Design	3
ENGL 250	Crime in Literature (CGCS)	3	EN 241	Introduction to Acting	3
ENGL 270	Military Literature (CGCS)	3	EN 244	The Literature of Leadership	3
FR 350EN	Topics Course in English	3	EN 245	Science Fiction Literature	3
GR 322	Survey of German Lit I: From the Beginnings to 1848	3	EN 250	Crime in Literature	3
GR 324	Survey of German Literature II: 1848 to 1945	3	EN 251	Literature of the Sea	3
GR 326	Survey of German Literature III: 1945 to the Present	3	EN 253	Approaches to Shakespeare	3
SP 318	Spanish American Short Stories	3	EN 254	Sports Writing	3
SP 321	Introduction to the Literature of Spain I	3	EN 270	Military Literature	3
SP 322	Introduction to the Literature of Spain II	3	EN 272	Veterans' Literature and Writing	3
SP 327	Spanish-American Literature I	3	EN 276	Environmental Writing	3
SP 328	Hispano-American Literature II	3	EN 278	Writing for the Web	3
SP 354EN	El narco	3	EN 282	Literary Methods	3
<b>History Courses</b>			EN 292	American Roots	3
HI 107	The History of Civilization I	3	EN 299	Pilot Course in English at the Lower Level	3
HI 108	The History of Civilization II	3	EN 307	The History of the Motion Picture	3
HI 121	American History Survey I	3	EN 308	The Motion Picture Director	3
HI 122	American History Survey II	3	EN 310	The Art of the Motion Picture	3
HI 201	Ancient Greece and Rome	3	EN 311	American Film Comedy	3
HI 202	The Middle Ages: Europe 500 - 1500	3	EN 322	Topics in World Literatures	3
HI 211	Early East Asian Civilizations	3	EN 350	History of the English Language	3
HI 212	Modern East Asian Civilizations	3	EN 362	Rhetorical Criticism	3
HI 214	History of the Middle East	3	EN 364	Intermediate Creative Writing	3
HI 218	Survey of Sub-Sahara Africa	3	EN 370	Topics in British Literature	3
HI 223	Europe's Age of Revolution. 1500 -1800	3	EN 373	Major Author	3
HI 224	Modern European History	3	EN 390	Topics in American Literature	3
HI 228	Norwich University History	3	EN 399	Pilot Course in English at the Upper Level	3
HI 230	Civil War Staff Ride	3	EN 420	Thematic Seminar-Literature	3
HI 235	Military History I	3	EN 425	Directed Study In Literature	3
HI 236	Military History II	3	FA 201	History/Theory of Architecture I	3
HI 260	Topics in History	3	FA 202	History/Theory of Architecture II	3
HIST 210	History of US Constitution (CGCS)	3	FA 221	History of Visual Arts I: Prehistoric to 1350	3
HIST 310	Historical Studies (CGCS)	3	FA 222	History of Visual Arts II: 1350 to the Modern Era	3
HIST 402	Israeli-Palestinian Conflict (CGCS)	3	FA 240	History of American Art	3
HIST 411	History of Diplomacy I (CGCS)	3	FA 250	Topics in Art	3
HIST 412	History of Diplomacy II (CGCS)	3	FA 260	Art Appreciation	3
HIST 425	American Foreign Policy 20th Cent (CGCS)	3	FA 308	History/Theory of Architectural III	3
HIST 430	The Cold War Revisited: The Sullivan Seminar (CGCS)	3	FR 205	Intermediate French I	3
<b>Arts/Humanities Courses</b>			FR 206	Intermediate French II	3
CM 109	Introduction to Mass Media	3	FR 250	Topics Course	3
CM 261	Interpersonal Communications	3	FR 250EN	Topics Course in English	3
CM 335	Television Criticism	3	FR 311	Advanced French I	3
CM 436	Communications Law and Ethics	3	FR 312	Advanced French II	3
COMM 312	Intercultural Communication (CGCS)	3	FR 350	Topics Course	3
CN 205	Intermediate Chinese I	3	FR 350EN	Topics Course in English	3
CN 206	Intermediate Chinese II	3	GR 205	Intermediate German I	3
CN 301	Advanced Chinese I	3	GR 206	Intermediate German II	3
EN 115	Advanced Academic English II	3	GR 250	Topics Course	3
EN 199	Pilot Course in English at the Lower Level	3-6	GR 250EN	Topics Course in English	3
			GR 322	Survey of German Lit I: From the Beginnings to 1848	3
			GR 324	Survey of German Literature II: 1848 to 1945	3

GR 326	Survey of German Literature III: 1945 to the Present	3
GR 350	Topics Course	3
GR 350EN	Topics Course in English	3
HI 262	History of Baseball	3
ID 223	Topics in Interdisciplinary Humanities	3
ID 299	Pilot Course	3
MU 101	Music Appreciation	3
MU 271	History of Jazz	3
PH 110	Think! Intro to Philosophy	3
PH 215	Survey of Ethics	3
PH 218	Global History of Philosophy	3
PH 220	Comparative Religion	3
PH 230	Logic	3
PH 301	Topics in Philosophy	3
PH 322	Money, Meaning and Morality	3
PH 323	Environmental Ethics	3
PH 324	Criminal Justice Ethics	3
PH 340	Philosophy of Non-Violence	3
PH 350	Medical Ethics	3
PH 360	Philosophy of Science	3
PH 400	Reading and Research	3
PHLS 205	Critical Thinking (CGCS)	3
RELG 300	Comparative Religion (CGCS)	3
SA 103	Introduction to Drawing	3
SA 104	Introduction to Visual Design	3
SA 105	Introduction to Painting	3
SA 106	Introduction to Printmaking	3
SA 107	Introduction to Photography	3
SA 111	Foundations of Art and Architecture I	3
SA 112	Foundations of Art and Architecture II	3
SA 200	Intermediate Studio	3
SA 205	Water Media	3
SA 210	The Portrait	3
SOCI 220	Cultural Issues & CJ System (CGCS)	3
SOCI 335	Intro to Cultural Competence (CGCS)	3
SOCI 406	Area Studies (CGCS)	6
SP 205	Intermediate Spanish I	3
SP 206	Intermediate Spanish II	3
SP 250	Topics Course	3
SP 250EN	Topics Course in English	3
SP 301	Advanced Spanish I	3
SP 318	Spanish American Short Stories	3
SP 321	Introduction to the Literature of Spain I	3
SP 322	Introduction to the Literature of Spain II	3
SP 327	Spanish-American Literature I	3
SP 328	Hispano-American Literature II	3
SP 350	Topics Course	3
SP 350EN	Topics Course in English	3
SP 352EN	La guerrilla	3
SP 354EN	El narco	3
SP 356	Cinema of Spain	3

## Goal 4 Natural Sciences

Students will gain a basic level of literacy in current scientific knowledge and theories and develop an appreciation for the natural world, in part through classroom and hands-on experiences by completing two science courses; at least one course must be a 4-credit laboratory science course. This will expose students to the scientific method and provide the critical thinking skills, necessary to make intelligent, well informed decisions. The College of Graduate and Continuing Studies will complete two courses; a laboratory is not required.

**Outcomes: Students will be able to**

- Demonstrate an understanding of the process involved in applying the scientific method (gathering data, analysis, and interpretation)
- Apply basic scientific knowledge and logic in evaluating the strengths and weaknesses of an argument
- Apply basic scientific knowledge and logic in the decision-making process
- Display a basic understanding of one or more fundamental scientific systems or theories

### Courses that meet Goal 4:

BI 101	Principles of Biology I	4
BI 102	Principles of Biology II	4
BI 122	Concepts in Biology	4
BI 205	Ecology	4
CH 100	Introduction to Forensic Science	4
CH 101	Introduction to General Chemistry	4
CH 102	Introduction to Organic and Biochemistry	4
CH 103	General Chemistry I	4
CH 104	General Chemistry II	4
GL 110	Introduction to Geology	4
GL 111	Oceanography	4
GL 156	Introduction to Earth Evolution	4
ID 110	Ecology and Geology of the Connecticut River Valley	4
INTD 320	The Scientific Method: Understanding the Results of Quantitative Research (CGCS)	6
PS 107	Solar System Astronomy	4
PS 108	Stellar and Galactic Astronomy	4
PS 201	General Physics I	4
PS 202	General Physics II	4
PS 211	University Physics I	4
PS 212	University Physics II	4
SCIE 202	Science, Technology and Procedures in Forensic Investigations (CGCS)	3
SCIE 301	Environmental Science (CGCS)	3
SCIE 310	Scien Basis of Sustainability (CGCS)	3

## Goal 5 Individual, Society & Social Structures

Students will demonstrate an understanding of the patterns of human behavior and social structures, their related opportunities, problems, and issues. This will be accomplished by completing one course in criminal justice, economics, political science, psychology, or sociology.

### Outcomes: Students will be able to

- Identify factors that shape human behavior
- Discuss factors that shape social structures
- Articulate how the factors, determinants, and dynamics found in human behavior and social structures present problems or opportunities

### Courses that meet Goal 5:

COMM 312	Intercultural Communication (CGCS)	3
CJ 101	Introduction to Criminal Justice	3
CRMJ 201	Foundations Criminal Justice (CGCS)	3
CRMJ 303	The Study of Crime (CGCS)	3
EC 106	The Structure and Operation of the World Economy	3
EC 201	Principles of Economics (Macro)	3
EC 202	Principles of Economics (Micro)	3
ECON 310	Socio-Economic Studies (CGCS)	3
ECON 401	Economic Studies (CGCS)	6
PO 105	American Politics	3
PO 106	Introduction to Public Policy and Administration	3
PO 202	Introduction to Comparative Politics	3

PO 215	International Relations	3
POLS 302	National Security Policy (CGCS)	3
POLS 306	Comparative Politics (CGCS)	3
POLS 316	Domestic Terrorism (CGCS)	3
POLS 318	International Terrorism (CGCS)	3
PY 211	Introduction to Psychology	3
PY 240	Introduction to Social Psychology	3
SO 201	Introduction to Sociology	3
SO 212	Cultural Anthropology	3
SO 214	Racial and Cultural Minorities	3
SO 216	Sociology of Health, Wellness & Medicine	3
SO 218	Intro to Cultural Competence	3
SOCI 209	Methods of Social Science Research (CGCS)	3
SOCI 220	Cultural Issues & CJ System (CGCS)	3
SOCI 322	Drugs and Gangs (CGCS)	3
SOCI 330	Military Sociology (CGCS)	3
SSDA 315	Insurgency and Conflict (CGCS)	6
SSDA 325	Law of Armed Conflict and Legal Basis for Use of Force (CGCS)	3

## Goal 6 Ethics

Students must be able to think critically and make ethical decisions. Critical thinking begins with integration of course work from all general education areas and culminates in the capstone course in each major. Ethical decision-making begins with adherence to the honor code. Students must be able to recognize ethical issues and articulate ethical decisions. This will be achieved taking one course that includes the requirement that students deal with ethical ambiguities and articulate ethical decisions. A course listed in Ethics and Capstone may meet both Goal requirements.

### Outcomes: Students will be able to

- Identify major ethical, conceptual, and factual issues and stakeholders
- Articulate ethical principles and whether they concur or are in conflict with one another
- Present an argument supporting a position, relying on relevant ethical principle(s), anticipating possible counter-arguments and consequences

### Course that meet Goal 6:

AP 436	Project Delivery and Documentation	4
CM 436	Communications Law and Ethics	3
CS 330	Ethics in Computing and Technology	3
EG 450	Professional Issues	3
HHPR 355	Coaching Leadership in Sports	3
INTD 200	The Partridge Seminar (CGCS)	3
MG 341	Business Law I	3
NS 422	Leadership and Ethics	3
NTSS 400	Natl Security Studies Capstone (CGCS)	6
PH 110	Think! Intro to Philosophy	3
PH 215	Survey of Ethics	3
PH 218	Global History of Philosophy	3
PH 220	Comparative Religion	3
PH 322	Money, Meaning and Morality	3
PH 323	Environmental Ethics	3
PH 324	Criminal Justice Ethics	3
PH 340	Philosophy of Non-Violence	3
PH 350	Medical Ethics	3
PHLS 210	Ethics in the Modern World (CGCS)	3
PHLS 324	Criminal Justice Ethics (CGCS)	3
PY 360	History and Systems of Psychology	3
SSDA 400	The Capstone Project (CGCS)	6

## Goal 7 Capstone Experience

Students must develop a sound foundation in an area of major concentration by meeting curriculum requirements specified for each program in the catalog. Integration of reading, writing, speaking, and critical thinking skills within the area of expertise culminates in a capstone course in each major. This General Education Requirement is to be taken in residence, at Norwich. A matriculated student who takes this course off-campus must seek permission from the department chair/director. A course listed in Capstone and Ethics is permitted to meet both Goal requirements. A course listed in Capstone and Leadership is permitted to meet both Goal requirements. However, one course cannot meet all three requirements.

### Outcomes: Students will be able to:

- Demonstrate an understanding of the field by undertaking the capstone project(s) to address one or more questions and/or problems in the discipline.
- Incorporate major scholarship of the field to synthesize a solution to question(s) and/or problem(s) within the norms of the discipline.
- Write effectively in accordance with the standards of the discipline.
- Successfully defend finds from the capstone project(s) in a presentation.

### Course that meet Goal 7:

AP 412	Architectural Design VI	5
BI 401	Senior Seminar	3
CE 480	Senior Design Project II	3
CH 413	Chemistry Seminar (AND)	1
CH 422	Chemical Synthesis and Examination II	3
CJ 410	Senior Seminar	3
CM 407	Senior Communications Seminar	3
CN 415	Senior Seminar	3
CRMJ 400	Capstone	6
CS 420	Computer Science capstone I (AND)	3
CS 421	Computer Science capstone II	3
CSIS 400	Computer Science and Information Systems Capstone	6
CYBR 400	Cyber Capstone	6
ED 425	Student Teaching	12
ED 432	Curriculum and Methods of Instruction	4
EE 491	Electrical System Design I	3
EM 480	Senior Design Project II	3
EN 450	Senior Seminar	3
ES 440	Research Project in Environmental Science	3
FA 401	Introduction to Research Methods for Architecture	3
GL 440	Research Project in Geology	3
HHPR 406	Readings in Physical Education	3
HHPR 450	Evidence - Based Healthcare	3
HI 404	History Capstone	
HI 491	Honors in History II	3
IA 456	Cyber Defense Practicum	3
IN 410	Seminar in International Studies	3
INTD 400	Capstone	6
MA 411	Senior Seminars	3
ME 467	Mechanical Engineering Design I	3
MG 449	Administrative Policy and Strategy	3
MNGT 400	Management Capstone	6
NR 441	Nursing Capstone	4
NTSS 400	Natl Security Studies Capstone	6
PO 410	Capstone Seminar in Political Science	3
PO 491	Honors in Political Science	3
PS 474	Senior Laboratory II	3
PY 401	Senior Seminar	3

SP 415	Seminar: Topics in Spanish Literature and Culture	3
SSDA 400	The Capstone Project	6

### Goal 8 Leadership

Students must develop leadership knowledge skills through one course with emphasis on leadership. Such a course will ensure that students will acquire, demonstrate, and reflect upon leadership concepts and components. A course listed in Leadership and Capstone may meet both Goal requirements.

#### Outcomes: Students will be able to

- Acquire and utilize the concepts of leadership
- Demonstrate awareness of various dimensions of leadership
- Reflect upon the experience of trying to achieve a shared goal in collaborative work

#### Course that meets Goal 8:

AS 311	Air Force Leadership Studies	3
AS 312	Air Force Leadership Studies	3
EN 244	The Literature of Leadership	3
LD 101	Norwich Principles of Leadership Mastery	1
MNGT 315	Leadership (CGCS)	3
MNGT 400	Management Capstone	6
MS 312	Military Science III	3
MS 411	Military Science IV	3
NR 321	Nursing Leadership	3
NS 221	Leadership and Management	3
NS 331	Evolution of Warfare	3
NS 435	Fundamentals of Maneuver Warfare	3
PY 210	Psychology of Leadership	3