

GENERAL EDUCATION

About General Education

The SUNY GE framework includes twelve categories of knowledge, skills and competencies—ten knowledge and skills areas expose students to different ways of knowing so that they can make reasoned judgements outside as well as inside their academic field, and enabling them to develop diverse perspectives and global understanding; and two core competencies that extend beyond discipline-specific knowledge and skills. The core of the curricula for all ESF undergraduate degree programs includes the mandatory knowledge and skills area for the natural science and scientific reasoning, communication (written and oral), mathematics and quantitative reasoning, and diversity, equity, inclusion, and social justice. For the remaining general education knowledge and skill area requirements, students must select courses chosen from at least three of the remaining knowledge and skill areas, or as specifically designated by their degree programs.

The courses listed below may be chosen to satisfy SUNY general education requirements in each of the knowledge and skill areas. Please note that many of these courses are taught in the College of Arts and Sciences at Syracuse University, including all courses in World Languages. Syracuse University courses may be subject to additional fees. General education courses listed with the prefix APM, EFB, EST, FCH, FOR, LSA, PSE, or SRE are taught at SUNY ESF and can be found in the Course Descriptions section of this catalog. [Syracuse University courses descriptions](#).

General Education Requirements

*Mathematics and Quantitative Reasoning**

APM 103	Applied Algebra & Trigonometry	3
APM 104	College Algebra & PreCalculus	3
APM 105	Survey Of Calc & Appl I	4
APM 106	Survey Of Calc & Appl II	4
APM 115	Essential Calculus	4
APM 205	Calculus I:Science & Engr	4
APM 210	Intro/Probability&Stats	3

*Natural Sciences and Scientific Reasoning**

EFB 100	Survey of Biology	4
EFB 101	Gen Bio I:Organismal Bio&Ecol	3
EFB 102	General Biology I Laboratory	1
EFB 103	Gen Bio II:Cell Bio & Genetics	3

EFB 104	General Biology II Laboratory	1
EFB 120	The Global Envirnmnt & Society	3
EFB 320	General Ecology	4
FCH 110	Survey of Chemical Principles	3
FCH 150	General Chemistry I	3
FCH 151	General Chemistry I Lab	1
FCH 152	General Chemistry II	3
FCH 153	General Chemistry II Lab	1
FCH 210	Elements Of Organic Chem	4
FCH 221	Organic Chemistry 1	3
FCH 222	Organic Chemistry Lab 1	1
FCH 223	Organic Chemistry II	3
FCH 224	Organic Chemistry Lab II	1
FOR 110	Environmental Physics	3
FOR 232	Natural Resources Ecology	3
EPH 101	Fundamentals of Physics I	3
EPH 102	Fundamentals of Physics I Lab	1
EPH 103	Fundamentals of Physics II	3
EPH 104	Fundamentals of Physics II Lab	1
EPH 201	Calculus Based Physics I	3
EPH 202	Calculus Based Physics I Lab	1
EPH 203	Calculus Based Physics II	3
EPH 204	Calculus Based Physics II Lab	1
SRE 225	Physics of Energy	3
<i>Social Sciences</i>		
EFB 120	The Global Envirnmnt & Society	3

EST 203	Introduction To Sociology	3
EST 221	Intro/American Government	3
EST 366	Environmental Ethics	3
EST 390	Social Processes & Envrn	3
FOR 207	Introduction To Economics	3
MAX 132	Global Community	3
PST 101	Intro to Analysis Pub Pol	3
PSC 123	Comparative Gov't & Politics	3
PSC 124	International Relations	3
PSC 125	Political Theory	3
PSY 205	Foundatns Human Behavior	3
SOC 248	Racial and Ethnic Inequalities	3
SOC 281	Sociology of Families	3
<i>US History and Civic Engagement</i>		
EHS 150	US History & Environmntl Health	3
EST 201	Am Hist:Reconstructn to Present	3
EST 202	Am Hist:Discovery to Civil War	3
EST 361	DivrseHstries of Amer EnvMvmnt	3
HST 101	American History to 1865	3
HST 102	Amer. History Since 1865	3
<i>World History and Global Awareness</i>		
AAS 241		3
ANT 121	Peoples&Cultures of World	3
ANT 185	Global Encounters	3

ANT 324		3
ANT 326	Africa Through the Novel	3
EFB 217	Peoples, Plagues and Pests	3
EFB 305	Indigenous Issues&the Envrnmnt	3
EST 140	Int/Native People, Land, Cult	3
EST 200	Cultural Ecology	3
EWP 295	World Lit: Eco Perspectives	3
GEO 272	World Cultures	3
HOA 105	Arts & Ideas I	3
HOA 106	Arts & Ideas II	3
HST 111	Early Mod Eur:1350-1815	3
HST 210	The Ancient World	3
HST 211	Medieval Renaiss Europe	3
HST 320	Traditional China	3
HST 321	Modern China	3
JSP 114	Bible in History/Culture/Relig	3
LIT 203	Greek and Roman Epic	3
LIT 211	Ancient Greek Drama	3
LSA 205	Art, Culture&Landscape I	3
LSA 206	Art, Culture&Landscape II	3
LSA 305	History/Landscape Arch I	3
PSC 125	Political Theory	3
PSE 201	Art & Early History/Papermaking	3
REL 101	Religions of the World	3
REL 114	Bible in History/Culture/Relig	3

REL 185	Hinduism	3
REL 186	Buddhism	3
REL 205	Ancient Greek Religion	3
REL 206	Greco-Roman Religion	3
SAS 324	Mdrn So. Asian Cultures	3
OR		3
WGS 324		
<i>Diversity: Equity, Inclusion and Social Justice*</i>		
EST 135	Intro to Climate Justice	3
EST 140	Int/Native People, Land, Cult	3
EST 204	Diversity&Knowledge of the Env	3
EST 205	Identity, Culture, & the Env	3
EWP 311	Urban Environmental Literature	3
EWP 360	Queer Ecologies	3
LSA 212	Place/Culture/Design	3
<i>Humanities</i>		
AAS 231	African Amer Lit to 1900: Intro	0 - 8
AAS 235		3
ENG 107	Living Writers	3
ENG 151	Interpretation of Poetry	3
ENG 153	Interpretation of Fiction	3
ENG 192	Gender & Literary Texts	3
EWP 290	Research Writing & Humanities	3
LIN 201	Nature&Study of Language	3
LIT 203	Greek and Roman Epic	3
PHI 107	Theories/Knowledge&Reality	3
PHI 111		3

REL 135	Judaism	3
REL 156	Christianity	3
REL 217		3
REL 231		3
REL 252		3
<i>The Arts</i>		
APH 261	Art Photography, Introduction	3
ENG 215	Introductory Poetry Workshop	3
ENG 217	Introductory Fiction Workshop	3
EWP 292	The Art of Fiction	3
EWP 293	The Art of Poetry	3
EWP 350	Eco-Cinema:Perspct&Pract	3
HOA 105	Arts & Ideas I	3
HOA 106	Arts & Ideas II	3
HOA 201	Masterpieces of Art	0 - 8
HOA 377		3
HOM 125	Introductory Music Theory	3
HOM 165	Understanding Music I	3
LSA 182	Drawing Studio	3
LSA 201	Landscape Representation I	3
LSA 205	Art,Culture&Landscape I	3
LSA 206	Art,Culture&Landscape II	3
LSA 220	Intro/Landscape Architect	3
LSA 222	Photogrphy, Envirnmnt, & You	3
MTC 125	Introductory Music Theory	3

PSE 201	Art &Early History/Papermaking	3
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*Communication (written and oral)**

EWP 190	Writing And The Envrnment	3
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EWP 220	Public Presentation Skills	3
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*Denotes required category

**Fulfills both written and oral communication

+Fulfills oral communication only

SU^ Syracuse University course

