

Sustainability Minor - Planning Guide - Florida Tech, Final review draft, 2023

PROGRAM CODE: 2040 **STUDENT NAME:** _____

There is a catalog change with more options as of Fall 2024, see the asterisks below. Over 80 electives are available in the 3 categories, see next page.

Catalog as of 2024-25	Catalog up to 2023-24	COURSE NUMBER	COURSE TITLE	CR	SEMESTER & YEAR	COURSE NAMED IN MAJOR?
No catalog change		SUS 1500	Introd. to Sustainability	3	Fall only	Y N
	<u>ENVIRONMENTAL SCIENCES Elective</u>					
				3 / 4		Y N
	<u>TECHNOLOGY Elective</u>					
				3 / 4		Y N
<u>BUSINESS Elective</u>						
				3 / 4		Y N
ENS 1001* Whole Earth Course	<u>SUS Senior Project</u> SUS 3999* Sustainability Project Design			3 or 1-3		Y N
OCN 4106 Mitigation & Restoration or ENS 4701** Env Reg.	SUS 4000 Applied Sustainability			3		Y N

* When catalog requirements change in a major/minor, students **have** the options of a) following the catalog text from the year they entered, or b) following the new catalog. A minor can choose to take the new course options or do the senior project courses.

** : We have minors from diverse colleges and are open to students substituting other sustainability-relevant courses in place of the OCN 4106 and ENS 4701 options above.

SAVE THIS FORM: In the semester before graduation, deliver this form to the Registrar's Office with your Petition to Graduate.

Eligible Elective Courses - Sustainability Minor. One 3 (or 4) credit course is required from each of the four subject areas (in bold below) to fulfill elective requirements. Credit-hours in parentheses. Only one 3 (or 4) credit course per category is required: the course can be lower-level or upper-level.

Environmental Sciences

Lower-Level Courses

BIO 1020 Biological Discovery 2 (4)
BIO 2801 Biometry (3)
BIO 3410 General Ecology (3)
ENS 1001 ~~The~~ Whole Earth Course (3)
OCN 1010 Oceanography (3)
OCN 2602 Environmental Geology (3)

Upper-Level Courses

BIO 3625 Molluscan Aquaculture (3)
BIO 4030 Conservation Biology (3)
BIO 4410 Community Ecology (4)
BIO 4411 Conservation Genetics (4)
BIO 4515 Ecology of Coral Reefs (3)
BIO 4517 Intro. to Modeling: Ecol. & Biol (3)
BIO 4720 Marine Ecology (4)
BIO 4620 Fish Aquaculture & Management (3)
ENS 3101 Atmospheric Environments (3)
ENS 3105 Atmospheric Pollution Lab (1)
(can be added to ENS 3101 for 4-cr total)
ENS 4001 ~~The~~ Earth System: Science,
Engineering, Manag. and Education (3)
ENS 4010 Geographic Inform. Systems (3)
ENS 4300 Renewable Energy & Environ. (3)
ENS 4701 Env. Reg. & Impact Assessment (3)
ENS 5001 Glob. Env. Problems/Solutions (3)
ENS 5903 Sp. Topics: Glob. Clim. Change (3)
SUS 3250 Systems, Governance & Sustain (3)
MET 4310 Climatology (3)
OCN 4106 Mitigation & Rest. of Coasts(3)
OCN 4204 Marine & Environ. Pollution (3)
OCN 5801 Coastal Systems Planning (3)
OCN 5903 Sp. Topics: Mar. Prot. Areas (3)

Social Sciences and Humanities

Lower-Level Courses

HUM 1540 Ethics (3)
HUM 2080 Principles of Sociology (3)
HUM 2480 Intro. to Political Science (3)
HUM 2570 Bioethics (3)
PSY 1411 Intro. to Psychology (3)
PSY 1461 Psychology of Adjustment and
Personal Growth (3)
PSY 2444 Cross-Cultural & Ethnic
Psychology (3)

Upper-Level Courses

HUM 3085 Special Topics in Humanities (3)
HUM 3351 History of Science and
Technology: Ancient and Medieval (3)
HUM 3352 History of Science and
Technology: Renaissance to Present (3)
HUM 3385 Special Topics in History (3)
HUM 3485 Sp. Topics in Social Science (3)
HUM 3521 World Religions (3)

PSY 3441 Social Psychology (3)

Social Sciences and Humanities (cont.)

PSY 3542 Survey Industrial/Org. Psych. (3)
PSY 4541 Culture and Psychology (3)
EDS 5430 Methods for Environmental
Problems and Issue Investigation (3)
EDS 5440 Methods for Citizenship and
Environmental Responsibility (3)

Technology

Lower-Level Courses

BUS 1601 Computer Applications (3)
CHM 1100 Introduction to Chemistry (3)
CSE 1301 Intro. to Computer Applications (3)
CHM 1101 General Chemistry 1 (4)
CHM 1102 General Chemistry 2 (4)
CVE 1000 Intro. to Civil Engineering (3)
OCE 1001 Intro. to Ocean Engineering (3)

Upper-Level Courses

AVM 3201 Aviation Planning (3)
AVM 3202 Airport Design (3)
AVM 4201 Aviation Adv. Computer Appl. (3)
CHE 3170 Intro. to Environ. Engineering (3)
CHE 3175 Intro. to Env. Engineering Lab (1)
CHM 4222 Environmental Chemistry (3)
CHM 5018 Sp. Topics: Green Chemistry (3)
CVE 3042 Water & Wastewater Systems in
Land Development (3)
CVE 3052 Muni. Water & Waste Systems (3)
CVE 4035 Urban Hydrology (3)
CVE 4050 Solid and Hazardous Waste (3)
CVE 4080 Urban Planning (3)
CVE 5035 Design Concepts Urban Hydr. (3)
CVE 5039 Groundwater Hydrology &
Contaminant Transport (3)
CVE 5040 Urban Planning (3)
CVE 5050 Design of Remediation Systems (3)
CVE 5052 Solid Waste Management (3)
MAE 4250 Physical Principles of Nuclear
Reactors (3)
MAE 5240 Solar Energy Analysis (3)
OCE 4523 Coastal Engineering Processes (3)
OCE 4525 Coastal Engineering Structures (3)

Business

Lower-Level Courses

BUS 1301 Basic Economics (3)
BUS 1801 Global Business Perspectives (3)
BUS 2602 Envir. Law & Forensic Studies (3)

Upper-Level Courses

BUS 4425 Envir. & Urban Planning (3)
BUS 4426 Envir. & Resource Economics (3)
BUS 4504 Sp. Topics: Sust. Tour. Manag (3)
BUS 4687 Consumer Behavior (3)