

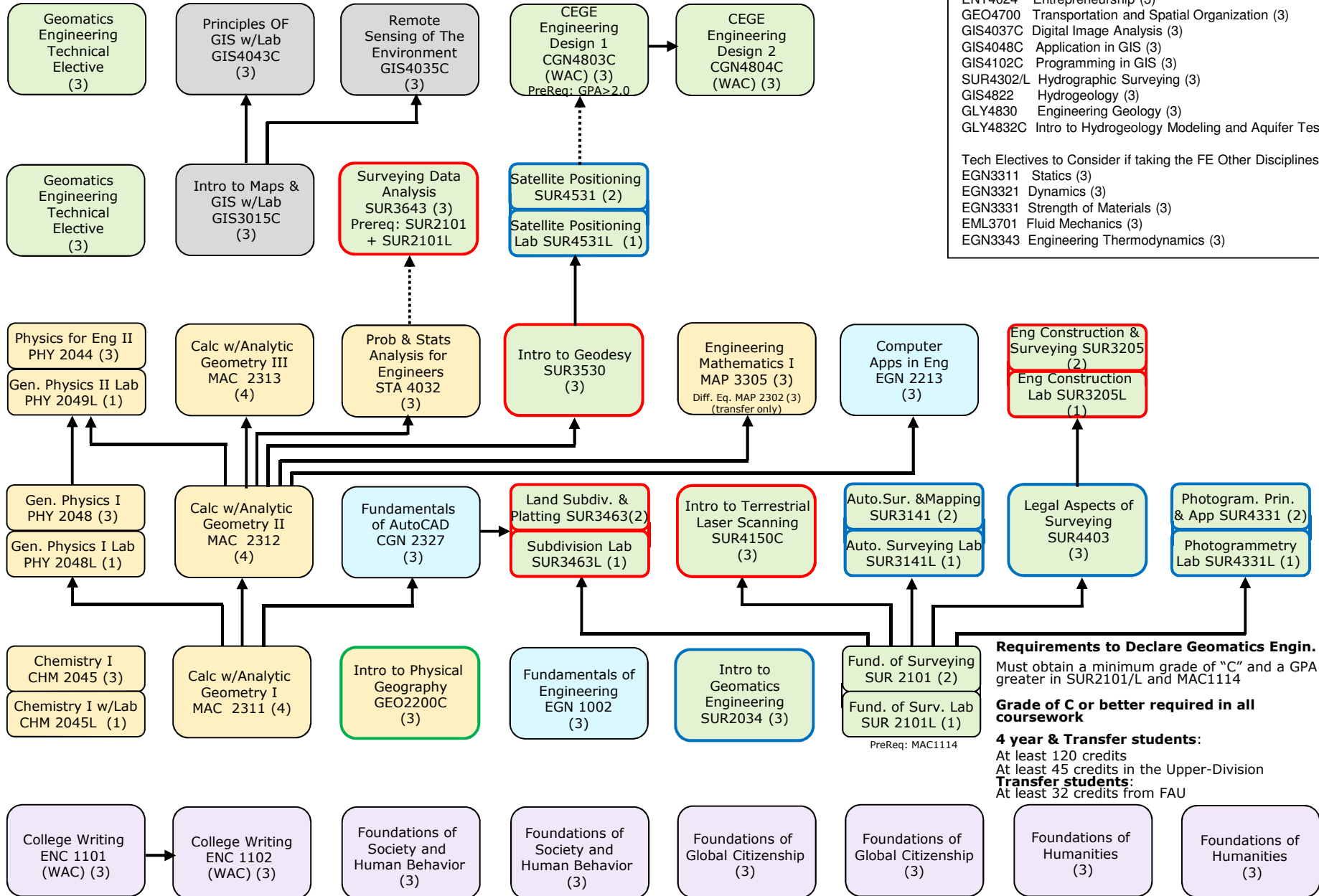
Technical Elective Course Options

Select TWO of the following:

- CCE4031 Construction Project Management (3)
- SUR4384 Thermal Infrared Remote Sensing and Applications (3)
- TTE4105 Transportation Operations & Logistics Mgmt (3)
- ENT4024 Entrepreneurship (3)
- GEO4700 Transportation and Spatial Organization (3)
- GIS4037C Digital Image Analysis (3)
- GIS4048C Application in GIS (3)
- GIS4102C Programming in GIS (3)
- SUR4302/L Hydrographic Surveying (3)
- GIS4822 Hydrogeology (3)
- GLY4830 Engineering Geology (3)
- GLY4832C Intro to Hydrogeology Modeling and Aquifer Test (3)

Tech Electives to Consider if taking the FE Other Disciplines Exam:

- EGN3311 Statics (3)
- EGN3321 Dynamics (3)
- EGN3331 Strength of Materials (3)
- EML3701 Fluid Mechanics (3)
- EGN3343 Engineering Thermodynamics (3)



Requirements to Declare Geomatics Engin. Major
 Must obtain a minimum grade of "C" and a GPA of 2.0 or greater in SUR2101/L and MAC1114

Grade of C or better required in all coursework

4 year & Transfer students:
 At least 120 credits
 At least 45 credits in the Upper-Division
Transfer students:
 At least 32 credits from FAU

LEGEND: Pre-Requisite Co-Requisite

			Science & Mathematics	Core Courses	Engineering Fund. Courses	IFP Requirements
Fall Only	Spring Only	Summer Only				

FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2015 – 2016

All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

PRE-PROFESSIONAL ENGINEERING PROGRAM (2015-2016)

College of Engineering and Computer Science

FOUNDATIONS OF WRITTEN COMMUNICATION

(6 credit hours required – Writing Across the Curriculum - WAC)

Grade of “C” or higher is required in each course

___ ENC 1101 College Writing I (**REQUIRED**)

___ ENC 1102 College Writing II +

THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:

English Department

___ ENC 1930+ University Honors Seminar in Writing (**Permit Only**)

___ ENC 1939+ Special Topic: College Writing

___ ENC 2452+ Honors Composition for Science

Anthropology Department

___ ANT 1471+ Cultural Difference in a Globalized Society

History Department

___ HIS 2050+ Writing History: The American Revolution

Note: Students must take four Writing-Across-the-Curriculum (WAC) courses, two of which must be taken from Foundations of Written Communication.

FOUNDATIONS OF SCIENCE & THE NATURAL WORLD

(6 credit hours required - **One of the courses must have a lab**)

Student must take two of the following courses, one must be from group A.

The second course may be from group A or group B.

Grade of “C” or higher is required

Group A

Biology Department

___ BSC 1010 & L & D .. Biological Principles (4 credits including Lab & Dis)

Chemistry Department

___ CHM 2045 & L General Chemistry 1 (4 cr. w/Lab) ‡

Physics Department

___ **PHY 2048 & L..... General Physics 1 (5 cr. w/ Lab) ** (REQUIRED)**

Group B

Geosciences Department

___ GLY 2010C Physical Geology (4 cr. including Lab)

Physics Department

___ **PHY 2049 & L..... General Physics 2 (5 cr. w/ Lab) (REQUIRED)**

FOUNDATIONS OF HUMANITIES

(6 credit hours required)

Student must take two of the following courses, one must be from group A.

The second course may be from group A or group B.

Group A

Visual Art & Art History Department

___ ARH 2000 Art Appreciation (P/F)

Music Department

___ MUL 2010 Music Appreciation

Philosophy Department

___ PHI 2010 & D Introduction to Philosophy (**WAC**) ++

Theatre & Dance Department

___ THE 2000 Theatre Appreciation

Group B

Architecture Department

___ ARC 2208 Culture & Architecture

Theatre & Dance Department

___ DAN 2100 Appreciation of Dance

School of Communication & Multimedia Studies

___ FIL 2000 & D Film Appreciation

Languages, Linguistics, & Comparative Literature Department

___ LIT 2100 Introduction to World Literature

English Department

___ LIT 2010 Interpretation of Fiction (**WAC**) ++

___ LIT 2030 Interpretation of Poetry (**WAC**) ++

___ LIT 2040 Interpretation of Drama (**WAC**) ++

___ LIT 2070 Interpretation of Creative Nonfiction (**WAC**) ++

FOUNDATIONS OF MATHEMATICS & QUANTITATIVE REASONING

(6 credit hours required – Grade of “C” or higher is required)

Student must take two of the following courses, one must be from group A.

The second course may be from group A or group B.

PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH COURSE

Group A

___ **MAC 2311 Calc. w/Analytic Geometry 1 (4 credits) (REQUIRED)**

Group B

___ **MAC 2312 Calc. w/Analytic Geometry 2 (4 credits) (REQUIRED)**

FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR

(6 credit hours required)

Student must take two of the following courses, one must be from group A.

The second course may be from group A or group B.

Group A

History Department

___ AMH 2010 United States History Since 1877 (**P/F**)

Anthropology Department

___ ANT 2000 Introduction to Anthropology

Economics Department

___ ECO 2013 Macroeconomic Principles §

Political Science Department

___ POS 2041 Government of the United States

Psychology Department

___ PSY 1012 Introduction to Psychology

Sociology Department

___ SYG 1000 Sociological Perspectives

Group B

History Department

___ AMH 2020 United States History to 1877 (P/F)

Economics Department

___ ECO 2023 Microeconomic Principles §

___ ECP 2002 Contemporary Economic Issues

Exceptional Student Education Department

___ EEX 2091 Disability and Society

Geosciences Department

___ EVR 2017 Environment and Society

Public Administration Department

___ PAD 2258 Changing Environment of Soc., Bus., & Gov’t

Sociology Department

___ SYD 2790 Race, Class, Gender, and Sexuality

___ SYG 2010 Social Problems

Urban & Regional Planning Department

___ URP 2051 Designing the City

FOUNDATIONS IN GLOBAL CITIZENSHIP

(6 credit hours required)

Student must choose two (2) courses from among the following:

Anthropology Department

___ ANT 2410 Culture and Society

Curriculum, Culture & Education Department

___ EDF 2854 Educated Citizen in Global Context

Geosciences Department

___ GEA 2000 World Geography

Political Science Department

___ INR 2002 Introduction to World Politics

Languages, Linguistics, & Comparative Literature Department

___ LAS 2000 Intro to Caribbean & Latin American Studies

___ LIN 2607 Global Perspectives on Language (online course)

Sociology Department

___ SYP 2450 Global Society

Social Work Department

___ SOW 1005 Global Perspectives of Social Services

History Department

___ WOH 2012 & D History of Civilization 1 (**WAC**) ++

___ WOH 2022 History of Civilization 2