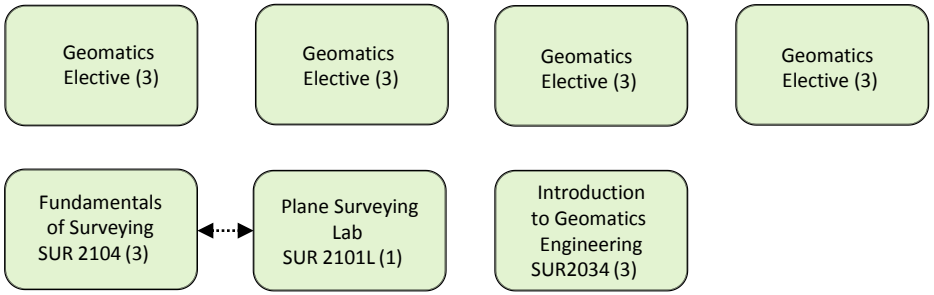
Minors offered in the College of Engineering and Computer Science

FAU COLLEGE OF ENGINEERING & COMPUTER SCIENCE
Florida Atlantic University

Minor in **Geomatics**

engineering-advising@fau.edu • 561.297.2780 • dessa.fau.edu • cege.fau.edu



GEOMATICS MINOR:
Must obtain a "C" or better in all minor coursework.
SUR2104, SUR2101L, and SUR2034 must be completed before the electives can be taken.

12 Elective Credits to be Chosen the Below:

Photogrammetry (2)	SUR 3331	2
Photogrammetry Lab (2)	SUR 3331L	1
Surveying Data Analysis (3)	SUR 3643	3
Automated Surveying & Mapping (2)	SUR 3141	3
Automated Surveying & Mapping Lab (2)	SUR 3141L	1
Land Subdivision and Platting (2)	SUR 3463	2
Land Subdivision and Platting Lab (2)	SUR 3463L	1
Eng. & Construction Surveying (4)	SUR 3205	3
Eng. & Construction Surveying Lab (4)	SUR 3205L	1
Introduction to Geodesy (5)	SUR 3530	3
Satellite Positioning (6)	SUR 4531	2
Satellite Positioning Lab (6)	SUR 4531L	1
Legal Aspects of Surveying (2)	SUR 4403	3

Notes:
2. Requires SUR 2104C/SUR 2101L, Fundamentals of Surveying/Plane Surveying Lab, as prerequisites.
3. Requires SUR 2104C/SUR 2101L, Fundamentals of Surveying/Plane Surveying Lab, MAC 2312 or MAC 2282, as prerequisites; and STA 4032 as corequisite.
4. Requires SUR 3643, Surveying Data Analysis, as a prerequisite.
5. Requires MAC 2312 or MAC 2282, as a prerequisite.
6. Requires SUR 3530, Introduction to Geodesy, as a prerequisite.

Minor in **Computer Science**

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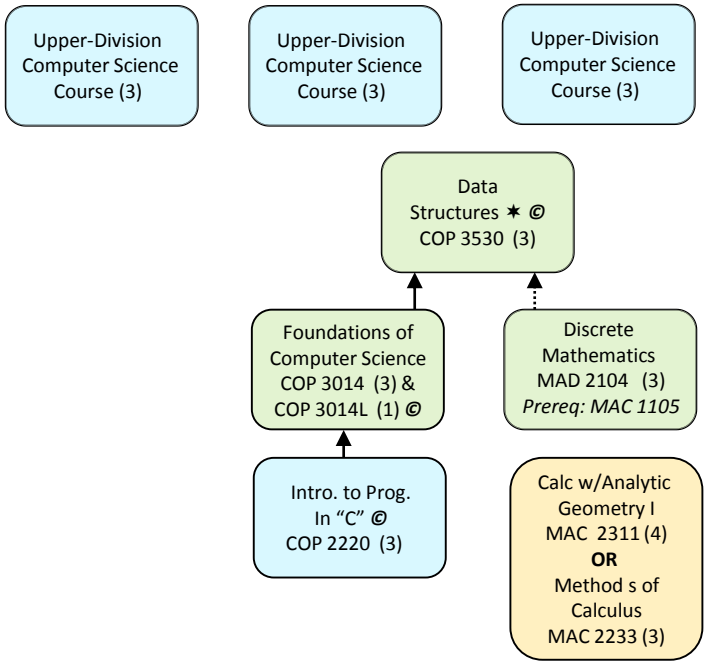

COMPUTER SCIENCE MINOR:
Must obtain a GPA of 2.5 or greater in all minor coursework.
© Grade of C or better required.

Upper-Division Computer Science Course Options:

Computer Science Major Core Courses

COP 4610	Computer Operating Systems
CDA 3331C	Intro. to Microprocessor Systems
CDA 3201C	Intro. to Logic Design
COP 3540	Intro. to Database Structures
COP 3813	Intro. to Internet Computing
CEN 4010	Principles of Software Engineering
COT 4400	Design & Analysis of Algorithms
COT 4420	Formal Lang. & Automata Theory

Information Technology

CAP 4630	Intro. to Artificial Intelligence
CNT 4104	Intro. to Data Communications
CNT 4403	Intro. to Data & Network Security
COP 4814	Web Services
COP 4703	Applied Database Systems
COP 4593	Component Prog. with .NET
CAP 4770	Data Mining & Mach Intelligence
COP 4854	Cutting Edge Web Tech

Applications

CAP 4034	Computer Animation
CAP 4028	Intro. to Game Prog.
COP 4367	Graphical Application Dev.

Software Engineering

CEN 4910	SW Engineering Project
COP 4331	Object-Oriented Design & Prog.

System Prog.

COP 4020	Prog. Languages

Computer Architecture

CDA 4204	CAD-Based Computer Design
CDA 4210	Intro. to VLSI
CDA 4630	Intro. to Embedded System Design
CDA 4102	Structured Computer Architecture
CEN 4010	Software-Hardware Co-Design

System Performance

MAP 4260	Intro. to Queuing Theory
CEN 4400	Intro. to Computer System Perform

LEGEND: ← Pre-Requisite ←--- Pre- or Co- | Science & Math | Core Courses | Engineering Fund. Courses | IFP Requirements

This flowchart is reviewed periodically and is subject to change as new requirements become necessary to educate engineers. The information is intended to inform and is not a replacement for a degree audit conducted with an academic advisor.

Rev 9/16