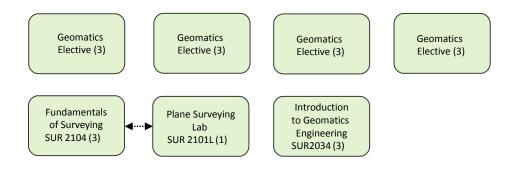
# Minors offered in the College of Engineering and Computer Science



# Minor in **Geomatics**

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### **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:

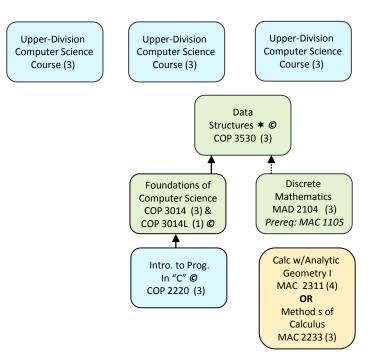
Photogrammetry (2)	SUR 3331	2
Photogrammetry Lab (2)	SUR 3331L	1
Surveying Data Analysis (3)	SUR 3643	3
Automated Surveying & Mapping (2)	SUR 3141	3
Automated Surveying & Mapping Lab (2)	SUR 3141L	1
Land Subdivision and Platting (2)	SUR 3463	2
Land Subdivision and Platting Lab (2)	SUR 3463L	1
Eng. & 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.
- 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 Sc	ience Major Core Courses	Applications	1
	COP 4610	Computer Operating Systems	CAP 4034	Computer Animation
	CDA 3331C	Intro. to Microprocessor Systems	CAP 4028	Intro. to Game Prog.
	CDA 3201C	Intro. to Logic Design	COP 4367	Graphical Application Dev.
	COP 3540	Intro. to Database Structures	Software En	gineering
	COP 3813	Intro. to Internet Computing	CEN 4910	SW Engineering Project
	CEN 4010	Principles of Software Engineering	COP 4331	Object-Oriented Design & Prog.
	COT 4400	Design & Analysis of Algorithms	System Prog	
	COT 4420	Formal Lang. & Automata Theory	COP 4020	Prog. Languages
Information Technology Computer Arch		rchitecture		
	miorination	reciliology		
	CAP 4630	Intro. to Artificial Intelligence	CDA 4204	CAD-Based Computer Design
			•	
	CAP 4630	Intro. to Artificial Intelligence	CDA 4204	CAD-Based Computer Design
	CAP 4630 CNT 4104	Intro. to Artificial Intelligence Intro. to Data Communications	CDA 4204 CDA 4210	CAD-Based Computer Design Intro. to VLSI
	CAP 4630 CNT 4104 CNT 4403	Intro. to Artificial Intelligence Intro. to Data Communications Intro. to Data & Network Security	CDA 4204 CDA 4210 CDA 4630	CAD-Based Computer Design Intro. to VLSI Intro. to Embedded System Design
	CAP 4630 CNT 4104 CNT 4403 COP 4814	Intro. to Artificial Intelligence Intro. to Data Communications Intro. to Data & Network Security Web Services	CDA 4204 CDA 4210 CDA 4630 CDA 4102	CAD-Based Computer Design Intro. to VLSI Intro. to Embedded System Design Structured Computer Architecture Software-Hardware Co-Design
	CAP 4630 CNT 4104 CNT 4403 COP 4814 COP 4703	Intro. to Artificial Intelligence Intro. to Data Communications Intro. to Data & Network Security Web Services Applied Database Systems	CDA 4204 CDA 4210 CDA 4630 CDA 4102 CEN 4010	CAD-Based Computer Design Intro. to VLSI Intro. to Embedded System Design Structured Computer Architecture Software-Hardware Co-Design
	CAP 4630 CNT 4104 CNT 4403 COP 4814 COP 4703 COP 4593	Intro. to Artificial Intelligence Intro. to Data Communications Intro. to Data & Network Security Web Services Applied Database Systems Component Prog. with .NET	CDA 4204 CDA 4210 CDA 4630 CDA 4102 CEN 4010 System Perf	CAD-Based Computer Design Intro. to VLSI Intro. to Embedded System Design Structured Computer Architecture Software-Hardware Co-Design ormance

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.