

# SYSTEMS AND CONTROL ENGINEERING, MINOR

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## Program Overview

The systems and control engineering minor equips students with fundamental skills in systems analysis (including systems thinking, optimization, simulation, economic and financial analysis, etc.), control, signal processing, operations, production, and manufacturing systems.

## Undergraduate Policies

For undergraduate policies and procedures, please review the Undergraduate Academics section of the General Bulletin.

## Program Requirements

A total of 16 credit hours are required to obtain a minor in systems and control engineering.

Code	Title	Credit Hours
<b>Required Courses:</b>		
ECSE 246	Signals and Systems	4
<i>Choose four of the following:</i> <sup>a</sup>		12
ECSE 304	Control Engineering I with Laboratory	
ECSE 313	Signal Processing	
ECSE 324	Modeling and Simulation of Continuous Dynamical Systems	
ECSE 346	Engineering Optimization	
ECSE 352	Engineering Economics and Decision Analysis	
ECSE 350	Operations and Systems Design	
ECSE 360	Manufacturing and Automated Systems	
<b>Total Credit Hours</b>		<b>16</b>

a Chosen in consultation with the program advisor.