Accelerated Undergraduate-Graduate Programs

Computer Engineering - Accelerated Undergraduate-Graduate Program
(B.S.Cp.E. / M.S.Cp.E.)

College of Engineering and Computer Science
Department of Electrical and Computer Engineering,
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Admission Requirements

■ See Common Program Prerequisites
■ Qualified students may apply after completion of a minimum of 64 credit hours
■ Completion of no more than 96 credit hours
■ Completion of the GRE with a highly competitive score by the end of first semester of the senior year
■ Admission is not automatic. Interested students may need to be interviewed.
■ Admission to the Accelerated Program does not guarantee formal admission to the MSPE program.

Degree Requirements

■ None

1. UCF General Education Program (GEP) (38 hrs)
■ See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
■ See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

Computer Engineering: Basic Core

EGN 1007C  Engineering Concepts and Methods  1 hr
ECS 100C  Introduction to the Engineering Profession  1 hr

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core

EGN 3310  Engineering Analysis-Statics  3 hrs
STA 3032  Probability and Statistics for Engineers  3 hrs

Select 1:
EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs
EGN 3321  Engineering Analysis-Dynamics or  3 hrs

Courses Required for the Major

COT 3100C  Introduction to Discrete Structures  3 hrs
COP 3502C  Computer Science I  3 hrs
COP 3053C  Computer Science II  3 hrs
COP 3330  Object Oriented Programming  3 hrs
COP 4351C  Processes for Object-Oriented Software Development  3 hrs
EEL 3004C  Electrical Networks  3 hrs
EEL 3123C  Networks and Systems  4 hrs
EEE 3307C  Electronics I  4 hrs
EEE 3342C  Digital Systems  3 hrs
EEL 4742C  Embedded Systems  4 hrs
EEL 4768  Computer Architecture  3 hrs
EEL 4781  Computer Communication Networks  3 hrs
COP 4600  Operating Systems  3 hrs
EGN 3311  Engineering Analysis and Computation  3 hrs

1 A “C” (2.0) or better is required in this course.
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Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term