

## Accelerated Undergraduate-Graduate Programs

### Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science  
Department of Electrical and Computer Engineering,  
Harris Corp. Engineering Center, Room: 439  
<http://www.ece.ucf.edu>

Email: [eece-grad@ece.ucf.edu](mailto:eece-grad@ece.ucf.edu)

Dr. Kalpathy Sundaram  
Diana Camerino  
Phone: 407-823-3327

#### 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 MSEE program.

#### Degree Requirements

- None
- 1. **UCF General Education Program (GEP)** (38 hrs)
  - See Electrical Engineering major in the catalog for track specific 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 Electrical Engineering major in the catalog for the CPP requirements.

#### 3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

<b>Engineering Core: Basic</b>	<b>2 hrs</b>
EGS 1006C Introduction to the Engineering Profession	1 hr
EGN 1007C Engineering Concepts and Methods	1 hr

#### 4. Core Requirements: Advanced Level

#### Engineering Core: Advanced and Electives 73 hrs

#### 5. Restricted Electives

- None

#### 6. Capstone Requirements (6 hrs)

EEL 4914 Senior Design I	3 hrs
EEL 4915L Senior Design II	3 hrs

#### 7. Foreign Language Requirements

##### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

##### Graduation

- None

#### 8. Electives

- None

#### 9. Additional Requirements

- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Undergraduate Hours Required

- 128

#### Total Combined Hours Required

- 146

#### Honors In Major

- None

#### Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

#### Certificates

- None

#### Related Minors

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

#### Advising Notes

#### The following will be waived for this joint degree program:

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

#### Transfer Notes

- None

#### Acceptable Substitutes for Transfer Courses

- None

#### Shared Courses

- 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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: \$30 per term
- Full-Time Student: \$60 per term