Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science
Department of Computer Science,
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Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MS program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (39 hrs)
- See Computer Science 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) (17 hrs)
- See Computer Science major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (24 hrs)
   - STA 2023 Statistical Methods I GEP
   - COP 3330 Object Oriented Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 3 hrs
   - CDA 3103C Computer Logic and Organization 3 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs
   - CIS 3380 Security in Computing 3 hrs
   - COP 3402 Systems Software 3 hrs
   - COP 3960 CS Foundation Exam 0 hrs
   - Select 1: 3 hrs
   - ENC 3241 Writing for the Technical Professional or 3 hrs
   - ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level (21 hrs)
- A “C” (2.0) or better is required in all courses listed.
- Students must maintain at least a 2.5 GPA in the following courses.
   - COP 4331C Processes for Object-Oriented Software Development 3 hrs
   - EEL 4768 Computer Architecture 3 hrs
   - COT 4210 Discrete Structures II 3 hrs
   - COP 4020 Programming Languages I 3 hrs
   - COP 4030 Operating Systems 3 hrs
   - COP 4034 Senior Design I 3 hrs
   - COP 4035 Senior Design II 3 hrs

5. Restricted Electives (15 hrs)
   - 5000 level Computer Science courses 9 hrs
     - At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
   - 4000-5000 level mathematics or statistics 6 hrs
     - courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.
     - No independent study hours, internship, or cooperative education hours are allowed.
       - MAC 2313 Calculus with Analytic Geometry III 4 hrs
       - MAP 2302 Ordinary Differential Equations I 3 hrs
       - MAS 3105 Matrix and Linear Algebra 4 hrs
       - MAS 3106 Linear Algebra 4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

8. Electives (4 hrs)
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None.

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 120
Total Combined Hours Required 138

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology
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 (12 hrs)

- Up to 12 credit hours of approved 5000 or 6000 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 restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $9 per term
- Full-Time Student: $18 per term