The CISE Department has six broad areas of specialization: computer systems, database and information systems, high-performance computing/applied algorithms, computer graphics, modeling, and art, and artificial intelligence.

Applications for admission must be approved by both the Department and the college in which the student wishes to enroll. Applicants should have a strong computer science background.

All master’s students must satisfy a core requirement by completing the appropriate number of core courses as specified by their degree program. According to Graduate School rule, students must maintain a 3.0 overall GPA, as well as a cumulative 3.0 GPA for all courses taken from CISE, to graduate. Students can select a thesis or non-thesis option for the master’s degree. Digital Arts and Sciences students must choose either thesis or project in lieu of thesis. All options require a minimum of 30 credit hours. The thesis degree requires:

- A minimum of 6 credit hours must be taken in CIS 6971 Research for Master’s Thesis (1-15 cr.).
- Specific degree requirements can be found at: https://www.cise.ufl.edu/academics/grad (https://www.cise.ufl.edu/academics/grad/)

The non-thesis option requires:

- Each non-thesis master’s student is required to pass a comprehensive examination.
- Specific degree requirements can be found at: https://www.cise.ufl.edu/academics/grad (https://www.cise.ufl.edu/academics/grad/)

The Digital Arts and Sciences project in lieu of thesis option requires 6 credit hours of project/performance credits.

To demonstrate breadth and proficiency, Ph.D. students who major in Computer Engineering or Computer Science must take 4 required core courses obtaining a 3.4 GPA in 3 of the 4 required core courses, with no more than one of the core courses receiving a letter grade below B, to be eligible to take the Ph.D. qualifying examinations.

To demonstrate breadth and proficiency, Ph.D. students who major in Human-Centered Computing must take 3 required core courses obtaining a 3.4 GPA in 2 of the 3 required core courses, with no more than one of the core courses receiving a letter grade below B, to be eligible to take the Ph.D. qualifying examinations.

Ph.D. students are required to take a minimum of 90 credit hours. Of these, at least 36 hours must be graduate-level CISE course work excluding individual study and research credits. A minimum of 3 hours must be taken in CIS 7980 Research for Doctoral Dissertation (1-15 cr.). A maximum of 30 credits may be awarded toward the Ph.D. degree from an appropriate master’s degree.

The Database Systems Research and Development Center, the Software Engineering Research Center, the Center for Computer Vision and Visualization Center, and a number of other campus research centers provide opportunities for students enrolled in the program.

Human Centered Computing (HCC) Ph.D.

The degree is focused on the design, construction, and evaluation of computational technologies as they relate to the human condition and...
impacts on society in general. The purpose of the HCC PhD degree is to
train a new generation of computing researchers/developers that design,
implement, and evaluate computing systems and technologies in real
world, or applied, contexts.

HCC PhD degrees exist because the expertise required for this degree
does not fit in traditional Computer Science (CS) or Computer Engineering
(CE) PhD programs. CS & CE PhD programs have requirements for
computer systems and theory.

For more information, please see the program pages below, or visit our
website: http://www.cise.ufl.edu

### Majors
- Computer Engineering (http://catalog.ufl.edu/graduate-colleges-departments/engineering/computer-information-science/computer/)
- Computer Science (Engineering) (http://catalog.ufl.edu/graduate-colleges-departments/engineering/computer-information-science/computer-science/)
- Digital Arts and Sciences (Engineering) (http://catalog.ufl.edu/graduate-colleges-departments/engineering/computer-information-science/digital-arts-sciences/)
- Human-Centered Computing (http://catalog.ufl.edu/graduate-colleges-departments/engineering/computer-information-science/human-centered-computing/)

### Faculty
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- Woodard, Damon
- Xia, Ye

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