

# COMPUTER SCIENCE | MASTER OF SCIENCE: COMPUTER SCIENCE

## Program Summary

Code	Title	Hours
<b>Core Courses</b>		
CSCI 601G	Advanced Programming	3
CSCI 812	Advanced Database Management	3
CSCI 831	Advanced Operating Systems	3
CSCI 841	Advanced Software Engineering	3
<b>Major Electives</b>		<b>12</b>
CSCI 612G	Fundamentals of Research	
CSCI 663G	Introduction to Cryptography	
CSCI 851	Advanced Data Structures	
CSCI 866	Data Mining and Knowledge Discovery	
CSCI 896	Digital Image Processing	
<b>Capstone Options</b>		<b>9</b>
<b>Capstone: Thesis Option</b>		
CSCI 899	Research Thesis	
<b>Capstone: Non-Thesis Option</b>		
CSCI 897	Project	
<b>Total Hours</b>		<b>33</b>

## Graduate School Graduation Requirements

### All Graduate degrees <sup>1</sup> require:

- Maintain a C or higher in all coursework.
- Maintain a cumulative GPA of 3.0 or higher. (Refer to program)
- A minimum of 30-75 hours of Graduate course work. (Refer to program)
- Comprehensive Examination or equivalent assessment is required. (Master of Liberal Studies requires a Comprehensive Examination **and** Concentration Exam)
- Degree completion within 8 years.

<sup>1</sup> Refer to degree program for any additional requirements.

## Degree Maps

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
CSCI 601G	Advanced Programming	3
CSCI 831	Advanced Operating Systems	3
Directed Electives		3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
CSCI 812	Advanced Database Management	3
CSCI 841	Advanced Software Engineering	3
Directed Electives		3
<b>Hours</b>		<b>9</b>

<b>Second Year</b>	
<b>Fall</b>	
Directed Electives	
CSCI 899	Research Thesis
<b>Hours</b>	
<b>9</b>	
<b>Spring</b>	
CSCI 899	Research Thesis
Masters Degree Comprehensive Examination/Assessment	
<b>Hours</b>	
<b>6</b>	
<b>Total Hours</b>	
<b>33</b>	

**Academic Degree Maps** are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are **examples** and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. Open electives indicate the student is free to choose courses from any subject, but students should discuss with their advisor how many of these hours must be upper division. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (<https://catalog.fhsu.edu/general-education/>) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.