COMPUTER SCIENCE - M.A.

College of Arts and Sciences
Department of Computer Science
www.kent.edu/cs

About This Program

The Master of Arts in Computer Science program offers advanced coursework in computer science theory, algorithms, and programming languages, along with opportunities to conduct research and gain real-world experience. With expert guidance from our faculty, you'll be well-prepared for a variety of tech careers. Read more...

Contact Information

- Program Coordinator: **Hassan Peyravi** | gradinfo@cs.kent.edu | 330-672-9047
- Connect with an Admissions Counselor: U.S. Student | International Student

Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - Kent Campus

For more information about graduate admissions, visit the graduate admission website. For more information on international admissions, visit the international admission website.

Admission Requirements

- Bachelor's degree from an accredited college or university[1]
- Minimum 3.000 undergraduate GPA on a 4.000 point scale
- Official transcript(s)
- Résumé
- Goal statement
- Three letters of recommendation
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
  - Minimum 525 TOEFL PBT score (paper-based version)
  - Minimum 71 TOEFL IBT score (Internet-based version)
  - Minimum 74 MELAB score
  - Minimum 6.0 IELTS score
  - Minimum 50 PTE score
  - Minimum 100 Duolingo test score

For more information about graduate admissions, please visit the Graduate Studies admission website. For more information on international admission, visit the Office of Global Education's admission website.

[1] Prospective students must successfully have completed high-level algebra, geometry and calculus coursework (equivalent to the following Kent State courses: MATH 12002, MATH 12003, MATH 21001). In addition, it is strongly recommended that students successfully have completed coursework in programming, data structures, and discrete structures, (equivalent to the following Kent State courses: CS 13001, CS 23001, CS 23022).

Application Deadlines

- **Fall Semester**
  - Application deadline: June 15
- **Spring Semester**
  - Application deadline: November 1
- **Summer Term**
  - Application deadline: April 1

Applications submitted after this deadline will be considered on a space-available basis.

Program Requirements
Major Requirements

Code	Title	Credit Hours
Major Requirements		
CS 61002	ALGORITHMS AND PROGRAMMING I	4
CS 61003	ALGORITHMS AND PROGRAMMING II	4
CS 61004	OPERATING SYSTEMS AND ARCHITECTURE	4
CS 69098	RESEARCH [1]	3
CS 69191	MASTER'S SEMINAR	2
Computer Science (CS) Electives [2]		15
Minimum Total Credit Hours:		**32**

[1] Students enroll in CS 69098 under the direction of a graduate faculty member and develop a master's project. A master's project committee must be formed that includes the advisor and at least two other graduate faculty members. The committee and project topic must be approved by the graduate coordinator. The student must present and defend the project before the committee.

[2] Maximum 12 credit hours of courses at the 50000 level may be applied toward the degree. Maximum 6 credit hours of 60000 level project-related course work outside computer science -that are approved by the student's advisor and may count towards the degree.

Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate breadth-of-knowledge and understanding of essential facts, concepts, principles and theories relating to advanced topics in computer science.
2. Conduct literature searches, comprehend advanced research materials and uncover connections between related work and critical evaluation and synthesis.
3. Perform research, discovery and integration by applying advanced knowledge of computer science.

Full Description

The Master of Arts degree in Computer Science enables students with a bachelor's degree in any area to enter the many fields that require both computer science skills and skills gained in a student's prior studies. The program requires no prior computer science training and covers a breadth

of knowledge in advance computer science topics that can also be used to solve problems in the field of the student's bachelor's degree.