Computer Science
Master of Science in Computer Science

The Computer Science program is offered for (a) recent graduates who wish to continue their studies while beginning their professional careers; (b) individuals presently employed in computer-related fields who wish to qualify for advanced career opportunities or training; (c) individuals who seek a career change.

ADMISSIONS REQUIREMENTS

- Official transcripts from all post-secondary institutions attended
  - Have attained a bachelor's degree (or its equivalent) from an accredited college or university
  - Have attained a minimum undergraduate grade point average of B in the field selected for the graduate major and a minimum grade point average of B- in the undergraduate record as a whole
- Two letters of recommendation
- Current professional resume
- A 500-word essay outlining intellectual and academic interests, accomplishments, and career objectives
- Have taken the following courses:
  - Two semesters of calculus
  - One semester of linear algebra
  - Two semesters of programming in high-level languages
  - One semester of programming in assembly language
  - One semester in data structures
- If conditionally admitted, satisfy the conditions within one year

DEGREE REQUIREMENTS

- Students must complete a program of 36 credits (nine courses), chosen with permission of the Graduate Advisor
- The following courses are required of all students:
  - CMP 761   Analysis of Algorithm
  - CMP 692   Programming Languages or an elective course
  - CMP 697   Operating Systems
- The remaining six courses must be chosen from among all CMP courses numbered 600 and above
- A master's thesis or a written comprehensive examination. The thesis option is subject to approval of the Graduate Advisor

Course Requirements		Credits
CMP 605	BASIC and Computer-Assisted Instruction	3-4
CMP 607	LOGO and Computer-Assisted Instruction	3
CMP 609	Programming in Pascal	4
CMP 683	Numerical Analysis	4
CMP 685	Computability Theory	4
CMP 692	Programming Languages	4
CMP 695	Survey of Computer Hardware	4
CMP 697	Operating Systems	4
CMP 717	Video Game Programming	4
CMP 731	Systems Analysis and Design	4
CMP 736	Introduction to Enterprise Computing	4
CMP 737	Software Engineering	4
CMP 738	Communicating Robots	4
CMP 743	Principles of Communications Networks	4
CMP 747	Linear Programming and Operations Research	4
CMP 758	Database Systems	4
CMP 761	Analysis of Algorithms	4
CMP 762	Automata Theory	4
CMP 765	Artificial Intelligence	4
CMP 767	Computer Graphics	4
CMP 768	Simulation and Modeling	4
CMP 770	Compiler Construction	4
CMP 773	Image Processing	4
CMP 774	E-Commerce Technologies	4
CMP 775	Combinational and Graph Algorithms	4
CMP 776	Parallel Algorithms and Architecture	4
CMP 788	Topics in Computer Science	4

Questions about the program?

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Questions about admissions?

The Office of Graduate Admissions

http://www.lehman.edu/admissions