Mathematics and computer science are closely related fields. Problems in computer science are often formalized and solved with mathematical methods; in fact, the computer industry employs more mathematicians than any other single field. As society becomes increasingly dependent on computers and other means of information processing, the need for people trained in mathematics and computer science is expected to grow exponentially. Because computer technology is embedded in so many products, services, and systems, jobs requiring math and computer science can be found in virtually every industry.

Computing professionals might find themselves in a variety of environments in academia, research, industry, government, private and business organizations—analyzing problems for solutions, formulating and testing, using advanced communications or multimedia equipment, or working in teams for product development.

Within the computer industry, individuals with mathematical and computer science expertise are employed by Internet service providers; Web search portals; and data processing, hosting, and related services firms. Others work for government, manufacturers of computer and electronic products, insurance companies, financial institutions, and universities. Areas in which someone with a degree in math and computer science might find employment also include artificial intelligence, biomedical information systems, computer design and engineering, computer networking, gaming systems, information technology, search engines, systems and software engineering, and computerized package distribution systems.

The Bachelor of Science in Mathematics and Computer Science program at Lawrence Technological University is a broad and intensive program that enables you to pursue a wide variety of career paths and offers you the opportunity to develop a deeper understanding of the foundations of mathematics and the relation of these tenets to

<table>
<thead>
<tr>
<th>CURRICULUM</th>
<th>Your 122-credit-hour program consists of:</th>
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</thead>
<tbody>
<tr>
<td>Humanities (with emphasis on leadership)</td>
<td>29</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics</td>
<td>48</td>
</tr>
<tr>
<td>Computer Science</td>
<td>27</td>
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<tr>
<td>Electives</td>
<td>6</td>
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<tr>
<td>Total</td>
<td>122</td>
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Computer science major Carolyn Begle developed a computer game for her senior project. Besides earning an “A” and her degree, Begle sold the game, Lightweight Ninja, to a company that distributes it electronically to paid subscribers. Begle now works at Stardock, a computer software development company.
problem solving in the arena of computer science. Compared to a degree in mathematics or computer science alone, it provides the most rigorous preparation for higher-level problem solving and for graduate school.

Why Mathematics and Computer Science at Lawrence Tech?
The faculty at Lawrence Tech is dedicated to your success, and as part of the College of Arts and Sciences Quest program, will be actively involved in helping you choose and start your career. Small classes enhance your interaction with your professors and other students. As an undergraduate you can participate in research projects and have opportunities to engage in team-oriented activities, including state and national competitions, designed to prepare you to take part in, and lead, project teams on the job. You will also gain experience in using advanced mathematical and computing tools to solve real-world problems as well as the background necessary for graduate work in either computer science or applied mathematics.

What else can you expect from a Lawrence Tech education? Top job placement, higher salaries, and an industry-savvy faculty. All the things you need for a head start in your chosen field of interest.

Getting Started
For more information, visit ltu.edu/arts_sciences/mathematics_computer_sciences or contact Lawrence Tech’s Office of Admissions at 800.CALL.LTU or admissions@ltu.edu.

Graduates with a degree in Mathematics and Computer Science have many career options:
- Aerospace industry
- Application development
- Bioinformatics
- Computational biology
- Computer animation
- Computer security
- Computer simulation
- Data mining
- Defense industry
- DNA sequencing
- Electronics and computer manufacturing
- Engineering research
- Financial services
- Government agencies and research laboratories
- Information science
- Insurance industry
- Market analysis
- Medical research
- Opinion polling
- Statistics
- Scientific visualization
- Web development

GET MORE. DO MORE.
Lawrence Technological University produces leaders with an entrepreneurial spirit and a global view. That’s why most Lawrence Tech students are employed within a month of graduating. Your benefits:

• Leadership Program that helps you develop the marketable skills that employers seek
• Leadership Portfolio that enhances your diploma – and your resume
• 12:1 student-faculty ratio
• Faculty with current industry experience
• Fully loaded high-powered laptop or tablet computer provided
• Schedules that work for you, with convenient day, evening, weekend, or online classes
• Hi-tech, wireless 102-acre campus that’s commuter friendly, with recreation, housing, and meal service options
• Financial-aid, co-op, and internship opportunities
• Proactive career placement services

Explore over 80 undergraduate, master’s, and doctoral programs in Colleges of Architecture and Design, Arts and Sciences, Engineering, and Management.