

WELCOME TO ECaMS

ENGINEERING, COMPUTING and MATHEMATICAL SCIENCES
@ LEWIS UNIVERSITY

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Distinct, comprehensive programs in [today's hottest fields](#).

We're one of the largest private-school computer science programs in the State of Illinois.

We have [lots](#) of [concentrations](#) for you to customize your studies.

We have [minors](#) for you to [combine](#) your [interests](#).

We are an integrated department (math, computer science, cybersecurity, data science, information technology, computer engineering, and electrical engineering), so you can double-major.

We won the national championship at the Department of Energy Cyber Defense Competition in April 2018.

We regularly place in the top three at local programming competitions.

We are a Cisco Networking Academy, a Red Hat Academy, an AWS Academy, and a CompTIA partner.

We have NetLabs, a platform for doing network and security coursework online.

We have undergraduate research opportunities (projects such as searchable encryption & traffic simulation).

We have two high-performance compute clusters.

We have lots of student groups (ACM, ACM-W, IEEE, DataSAIL, Programming Club, Actuarial, Math Club).

We have [4+1 degrees](#) that lead to a MS CompSci, Cybersecurity, Data Science, or Education in one year.

We focus on recruiting more women to the field (GCT, ACM-W, Grace Hopper Conference).



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We have our own Robotics and Maker Labs.

Our Virtual Reality Lab opened in Fall 2021.

Our Labs are exclusively for our student's 24x7 use.

We have study-abroad opportunities. (e.g. Brazil, China).

We offer [CS+X programs](#) in Music, History, and others for people who want to apply computing to other fields.

Our Computer Engineering program focuses on Internet of Things (IoT).

Our Electrical Engineering program focuses on high-voltage electric power systems, machines, renewable energy, and power electronics.

Our Data Science program prepares you for careers in the blossoming Big Data industry.

Our Math program has an education track and an applied emphasis including new minors in modeling and actuarial sciences.

We have an open-door policy.

We have our own tutoring services.

We have lots of internship and career connections.

We are the fastest-growing department on campus.

We are student-focused and student-driven.

We provide big-school opportunities in a small-school setting.