



BUILDING YOUR CAREER IN DIGITAL SYSTEMS

Did you enjoy working with microprocessors? Were the labs of EELE261 (Digital Logic) and EELE371 (Microprocessor Software) fun to do? A career in digital systems might be the direction you wish to follow. This guide will help you select the professional electives designed to help you launch your career!

WHAT IS THE FOCUS OF DIGITAL SYSTEMS?

Digital systems are used to process, store, and communicate information in digital form.

WHICH INDUSTRIES USE DIGITAL SYSTEMS?

Digital systems are found in a wide range of applications, including consumer electronics, digital instruments, communication systems, and process control.

HERE ARE A FEW COMPANIES THAT FREQUENTLY HIRE MSU GRADUATES WITH DIGITAL SYSTEMS EXPERTISE



ADVISERS FOR CAREERS IN DIGITAL SYSTEMS

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EE ADVISING GUIDE: DIGITAL SYSTEMS

LAUNCH-PAD COURSES FOR CAREERS IN DIGITAL SYSTEMS



DIGITAL SYSTEMS

| | | | |
|-----------------|--|--------------------|--------------------------|
| EELE 261 | Introduction to Logic Circuits I (4 credits) | Fall/Spring/Summer | <input type="checkbox"/> |
| M 221 | Introduction to Linear Algebra (3 credits) | Fall/Spring/Summer | <input type="checkbox"/> |
| EELE 367 | Logic Design (4 credits) | Spring/Summer | <input type="checkbox"/> |
| EELE 465 | Microcontroller Apps (4 credits) | Spring | <input type="checkbox"/> |
| EELE 467 | FPGA 1 (4 credits) | Fall | <input type="checkbox"/> |
| EELE 477 | DSP (4 credits) | Spring | <input type="checkbox"/> |
| EELE 468 | FPGA 2 (4 credits) | Spring | <input type="checkbox"/> |

Students interested in digital systems are encouraged to consult the requirements for an official Computer Engineering Minor.



RELEVANT NON-ECE ELECTIVES

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|-----------------|-------------------------------|-------------|--------------------------|
| CSCI 366 | Computer Systems (3 credits) | Fall/Spring | <input type="checkbox"/> |
| CSCI 460 | Operating Systems (3 credits) | Fall | <input type="checkbox"/> |
| CSCI 466 | Networks (3 credits) | Fall | <input type="checkbox"/> |
| CSCI 476 | Computer Security (3 credits) | Fall/Spring | <input type="checkbox"/> |

DID YOU KNOW?

By carefully selecting electives, the electrical engineering major can get a computer engineering minor including only one additional 3-credit elective.