Welcome to the Department of Technology

COMPUTER SYSTEMS TECHNOLOGY
CONSTRUCTION MANAGEMENT
ENGINEERING TECHNOLOGY
GRAPHIC COMMUNICATIONS TECHNOLOGY
SUSTAINABLE & RENEWABLE ENERGY
TECHNOLOGY & ENGINEERING EDUCATION
Meet the Staff

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Meet the Program Coordinators
Where we are located

Department office
All TEC courses except GCT

Graphic Communication Technology courses
Computer Systems Technology (CST)

**CURRICULUM**

Programming languages: C#, Java, C
Telecommunication systems
Local Area Network architecture
Operating systems- Windows and Linux
Computer hardware- construct, modify circuits
Computer software- applications, imaging
Project and quality management

**COMMON JOB TITLES**

Software Analyst
Computer Technician
Network Security Analyst
LAN Administrator
Web Developer
Network Systems Manager
Registered Student Organization: Institute of Electrical and Electronics Engineers (IEEE)
Construction Management (CM)

CURRICULUM

Construction methods
Documentation, contracts, law
Building Information Modeling
Field engineering
Materials technology
Building/structure design
Estimating, finance, accounting
Management, economics, marketing

COMMON JOB TITLES

Project Manager
Field Coordinator
Estimator
Project Engineer
Superintendent
Preconstruction Manager
Operations Manager
Registered Student Organization: Construction Management Student Organization (CMSA)
Engineering Technology (ET)

**CURRICULUM**
- Automation
- Computer-aided design and prototyping
- Material testing
- Metal machining
- Metrology
- Plastics processing
- Project and quality management

**COMMON JOB TITLES**
- Controls Engineer
- Project Manager
- Quality Engineer
- Manufacturing Engineer
- CAD Designer
- Robotic Programmer
- Automation Engineer
Graphic Communications Technology (GCT)

CURRICULUM

- Media design- Adobe, Autodesk Maya, etc.
- Graphic layouts and design
- Image capture and editing
- Print production
- ePublishing
- Computer-aided rendering and animation
- Marketing Graphics Technology and/or Web Content Management

COMMON JOB TITLES

- Prepress Technologist
- Ecommerce Manager
- Technical Graphic Designer
- Web Content Manager
- Project Manager
- Media Developer
- Account Manager
- UI Developer
Registered Student Organization: Graphic Communications Education Association (GCEA-ISU)
# Sustainable & Renewable Energy (SRE)

## CURRICULUM
- Residential and commercial design
- Power technology, generation, and storage
- Energy research and analysis
- Energy planning and management
- Economics and policy
- Agriculture and environmental health
- Weather and research

## COMMON JOB TITLES
- Energy Analyst
- Solar Site Surveyor
- Project Manager
- Facility Technician
- Solar Engineer
- Wind Technologist
- Field Manager
Registered Student Organization: Renewable Energy Society (RES)
Technology & Engineering Education (TEE)

CURRICULUM
- Technical drawing and modeling
- Building construction
- Manufacturing processes
- Graphic communications
- Computer networking
- Engineering design
- Principles of teaching and curriculum

COMMON JOB TITLES
- Teacher- junior high/middle school
- Teacher- high school
- Teacher- trade school
- Education Coordinator
Registered Student Organization: Technology and Engineering Education Collegiate Association (TEECA)
Fall Registration- TEC options

**CST:** TEC 100 (sec 1), TEC 151

**CM:** TEC 100 (sec 1), TEC 120

**ET:** TEC 100 (sec 1), TEC 130, TEC 111, TEC 116

**GCT:** TEC 100 (sec 1), TEC 116, TEC 151

**SRE:** TEC 100 (sec 1), TEC 160, TEC 111

**TEE:** TEC 101 (need NCBC), TEC 111, TEC 116, TEC 120, TEC 130
Questions? Thank you!
QR code webpages

Department of Technology: https://tec.illinoisstate.edu/
CST curriculum: https://tec.illinoisstate.edu/computer-systems-technology/curriculum/
CST careers: https://tec.illinoisstate.edu/computer-systems-technology/careers/
IEEE: https://redbirdlife.illinoisstate.edu/organization/ieee
CM curriculum: https://tec.illinoisstate.edu/construction-management/curriculum/
CM careers: https://tec.illinoisstate.edu/construction-management/careers/
CMSA: https://redbirdlife.illinoisstate.edu/organization/cmsa
ET curriculum: https://tec.illinoisstate.edu/engineering-technology/curriculum/
ET careers: https://tec.illinoisstate.edu/engineering-technology/careers/
ET Club: https://redbirdlife.illinoisstate.edu/organization/engineeringandtechnologyclub
GCT curriculum: https://tec.illinoisstate.edu/graphic-communications-technology/curriculum/
GCT careers: https://tec.illinoisstate.edu/graphic-communications-technology/careers/
GCEA-ISU: https://tec.illinoisstate.edu/student-life/#tabs-accord4
SRE curriculum: https://tec.illinoisstate.edu/renewable-energy/curriculum/
SRE careers: https://tec.illinoisstate.edu/renewable-energy/careers/
RES: https://redbirdlife.illinoisstate.edu/organization/renewableenergysociety
TEE curriculum: https://tec.illinoisstate.edu/technology-engineering-education/curriculum/
TEE careers: https://tec.illinoisstate.edu/technology-engineering-education/careers/
TEECA: https://redbirdlife.illinoisstate.edu/organization/teeca