Welcome to the Department of Technology

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

Welcome to the Department of Technology
Meet the Staff

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Meet the Program Coordinators

CST

CM

TBD
Reach out to Dr. Branoff or Ashley with questions!

ET

GCT

SRE

TEE

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Dr. Joshua Brown
Professor
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Where we are located
Where we are located
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 Association (CMSA)
# Engineering Technology (ET)

<table>
<thead>
<tr>
<th>CURRICULUM</th>
<th>COMMON JOB TITLES</th>
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<tbody>
<tr>
<td>Automation</td>
<td>Controls Engineer</td>
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<tr>
<td>Computer-aided design and prototyping</td>
<td>Project Manager</td>
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<tr>
<td>Material testing</td>
<td>Quality Engineer</td>
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<tr>
<td>Metal machining</td>
<td>Manufacturing Engineer</td>
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<tr>
<td>Metrology</td>
<td>CAD Designer</td>
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<tr>
<td>Plastics processing</td>
<td>Robotic Programmer</td>
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<tr>
<td>Project and quality management</td>
<td>Automation Engineer</td>
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Registered Student Organization: Engineering and Technology Club (ET Club)
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
- Filed 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, TEC 151

**CM**: TEC 100

**ET**: TEC 100, TEC 130, TEC 111, TEC 116

**GCT**: TEC 100, TEC 116, TEC 151, TEC 152

**SRE**: TEC 100, TEC 160, TEC 111

**TEE**: TEC 101 (need NCBC), TEC 111, TEC 116, 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