TECHNOLOGY (TEC)  510
215 Turner Hall, (309) 438-3661
https://Tec.IllinoisState.edu
Chairperson: Ted Branoff

General Department Information
The mission of the Department of Technology is to prepare individuals to become technology-oriented professionals and leaders in organizations and society. Students in the Department of Technology are required to select one of the following majors: Construction Management, Engineering Technology, Graphic Communications, Industrial Technology, Sustainable and Renewable Energy, or Technology and Engineering Education.

Honors in Technology
The Department of Technology offers honors work in the different departmental programs to majors who have completed 60 semester hours with a cumulative 3.50 GPA. Students interested in the program should see the departmental advisor. Requirements for honors in the Technology Honors Program are available in the departmental office, 215 Turner Hall. Further details about the University Honors program are available at Honors.IllinoisState.edu.

Major in Construction Management
Degree Offered: B.S.
Construction Management is an interdisciplinary curriculum that provides a background in construction means and methods, business administration, communication skills, architectural and engineering fundamentals, applied science, and mathematics. The goal of the major is to prepare construction professionals capable of managing projects to completion from construction documents prepared by design professionals. Coursework emphasizes the allocation of labor, equipment, and material to construction projects in order to achieve completion at maximum efficiency of time and cost. The program focus is on production and management capabilities. The Construction Management major is accredited by the American Council on Construction Education (ACCE). Graduates are prepared to assume leadership positions in residential, commercial and specialty construction. Initial employment may include field supervision, project management, estimating, and scheduling. Positions are also available in related areas such as code enforcement, construction financing, product sales, quality control, and safety management.

Major in Engineering Technology
Degree Offered: B.S.
Engineering Technology is a multidisciplinary curriculum that provides experiences in the following areas: Automation, Product Design, Process Control, Plastic Materials, Quality Management, and/or Technical Project Management. The goal of the major is to prepare professionals capable of managing projects and processes in government and private enterprise settings. Coursework emphasizes the management of people, processes, and materials through hands-on activities. Initial employment opportunities include: project management, process control, production management, product design, quality control support, and technical sales. The Engineering Technology program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

Major in Graphic Communications
Degree Offered: B.S.
Graphic Communications graduates become technical, creative and management professionals in a variety of markets. The curriculum blends digital media and print media technology. Students are involved in hands-on projects to design and produce media that incorporate photography, video, 3D animation, augmented reality, and printing technology. Graduates develop highly marketable skills in product management, project management and business. Two concentrations within the graphic communications major may be pursued for more in-depth study: (1) marketing graphics technology, or (2) web content management. The Graphic Communications Technology Program is accredited by the Accrediting Council for Collegiate Graphic Communications (ACCGC).

Major in Industrial Technology
Degree Offered: B.S.

Computer Systems Technology Sequence
Computer Systems Technology is an interdisciplinary curriculum that provides a background in computer technology, software, programming, information imaging, and other industry-related technologies. The goal is to prepare professionals for the management and supervision of technical computer systems in industrial settings. Coursework emphasizes the use of computer systems to provide students with a diverse technical and professional background in communications, networking, interfacing, and electronic principles related to a variety of computer systems. Computer Systems Technology is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

Major in Sustainable and Renewable Energy
Degree Offered: B.S.
The Major in Sustainable and Renewable Energy is an interdisciplinary program that prepares students for careers in renewable energy and related industries, including wind energy, solar power, biofuels, and energy management. The curriculum is designed to provide students with a broad understanding of energy management concepts and the roles played by renewable resources. Students will develop expertise in an interdisciplinary core of subjects fundamental to renewable energy as well as more in-depth studies in a related minor.
Major in Technology and Engineering Education
Degree Offered: B.S.
Technology and Engineering Education includes: (1) a study of the concepts practiced in modern technological systems of energy utilization, communication, production, and transportation, and engineering-related fields; (2) the development of cognitive, psychomotor, and affective skills in these five areas related to the use of tools, materials, processes, resources, techniques, scientific principles, work (skill and organization), and products as well as their impacts on society; and (3) the professional competencies of planning, executing and evaluating instruction.
The following requirements are part of the entitlement program leading to endorsement at the secondary 6-12 grade levels. Initial employment opportunities include: Junior High/Middle School Technology and Engineering Teacher (middle school endorsement also requires PSY 302 and TCH 233), High School Technology and Engineering Teacher, Vocational/Trade School Teacher, School District Technology Coordinator, Community/Junior College Instructor, Industrial Trainer/Instructor. A cumulative and major GPA of 2.50 is required for student teaching and graduation. The Technology and Engineering Education Program is accredited by the Illinois State Board of Education (ISBE) and NCATE/CTTE.
If technology majors want an endorsement for middle school, PSY 302 and TCH 233 are required.

Clinical Experiences in Teacher Education
A variety of clinical (pre-student teaching) experiences, as well as student teaching, are included in the teacher candidates professional preparation. Observations, small and large group instruction, tutoring, field experiences, and student teaching are included in the Clinical Experiences Program. The experiences offered prior to student teaching are integral parts of specific college courses. Clinical experiences are provided in off-campus professional development schools, local schools, campus laboratory schools, agencies and other approved non-school settings. The Cecilia J. Lauby Teacher Education Center monitors and documents all clinical experiences. Teacher candidates will show verification of having completed clinical experiences commensurate with attaining local, state, and national standards. Teacher candidates must provide their own transportation to clinical experiences sites.
Candidates are required to provide documentation of meeting all State of Illinois, district, and university requirements in regard to criminal background checks BEFORE beginning any clinical experiences. Criminal background checks must remain current as of the last day of the clinical experience. Candidates should consult with clinical course faculty and the Cecilia J. Lauby Teacher Education Center well in advance of clinical experiences to determine specific requirements needed each semester.
The approximate number of clinical hours associated with each course offering can be found with the appropriate course description in this Undergraduate Catalog. The following

Legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend
- Observation (including field trips)
- Tutoring one-on-one contact
- Non-instructional assisting
- Small group instruction
- Whole class instruction
- Work with clinic client(s)
- Graduate practicum
- Professional meeting

Minor in Technology
- 21 hours required through advisement
- 6 of the 21 hours required must be upper level coursework
- No more than 9 hours from the major program of study may be applied to the minor

Allowable substitutions for Technology Majors:
- Acceptable substitutions for CHE 102 are CHE 110 and 112, or 140
- Acceptable substitution for HSC 385 is HSC 271
- Acceptable substitutions for MAT 120 are MAT 121, 144 or 145
- Acceptable substitution for MQM 100 is ECO 138
- Acceptable substitutions for PHY 105 are PHY 108 or 110
- Acceptable substitution for TEC 270 is MQM 220
- Acceptable substitutions for TEC 330 are ACC 131 and ACC 132

Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
# TECHNOLOGY

## MAJOR IN CONSTRUCTION MANAGEMENT (B.S.)

### General Education (39 credit hours)
Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

### Communication and Composition (2 courses required)
- **3** COM 110 Communication as Critical Inquiry
- **3** ENG 101 or ENG 101A10 Composition as Critical Inquiry

### Mathematics (1 course required)
- **4** MAT 120 Finite Mathematics

### Natural Science/Natural Science Alternatives (2 courses required)
Students must complete 1 course from 2 different sciences.
- **3** CHE 102 Chemistry & Society
- **4** PHY 105 Fundamentals of Physics

### United States Traditions (1 course required)

### Individuals & Civic Life (1 course required)

### Fine Arts (1 course/3 credit hours required)***

### Humanities (1 course required)***

### Language in the Humanities (1 course required)***

### Quantitative Reasoning (1 course required)
- **3** MQM 100 Statistical Reasoning

### Science, Math, & Technology (1 course required)
Exempt for Construction Management majors

### Social Sciences (1 course required)***
- **3** PSY 110 Fundamentals of Psychology

### Additional Graduation Requirements
- **120** minimum total credit hours
- **42** minimum senior college hours

### AMALI requirement
***certain courses in General Education fulfill the AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

### B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.

### Major (90 credit hours)
- **1** TEC 100 Professional Development in Technology
- **3** TEC 117 Construction Graphics
- **3** TEC 120 Introduction to Building Construction
- **2** TEC 121 Construction Methods
- **3** TEC 123 Construction Documents & Quantify Takeoff (P: C or better in TEC 120)
- **3** TEC 217 Building Information Modeling (P: TEC 117)
- **3** TEC 222 Mechanical & Electrical Systems for Buildings (P: C or better in TEC 120; MAT 120; and PHY 105)
- **3** TEC 223 Field Engineering (P: C or better in TEC 120; MAT 120)
- **3** TEC 224 Soils & Foundations (P: C or better in TEC 120 and 121)
- **2** TEC 226 Construction Contracts & Law (P: C or better in TEC 120)
- **3** TEC 229 Cost Estimating (P: TEC 117, 123, 222, and 224)
- **3** TEC 270 Managing Technological Systems (P: PSY 110 or conc. reg.; 45+ earned hours)
- **3** TEC 292 Construction Materials Technology (P: MAT 120 or conc. reg.)
- **3** TEC 325 Construction Scheduling (P: TEC 117, 123, 222, and 224)
- **3** TEC 326 Construction Finance & Accounting (P: ACC 131; ECO 101 and 102; MAT 120)
- **3** TEC 327 Design of Building Structures (P: TEC 292; MAT 120; PHY 105)
- **3** TEC 329 Sustainable Buildings and Urban Development (P: TEC 120 and min. 45 hours completed)
- **3** TEC 394 Construction Management & Administration (P: TEC 226, 229, 325; TEC 398 or 800 hours documented construction experience)
- **3** ACC 131 Financial Accounting (P: 12+ earned hours)
- **3** CHE 102 Chemistry & Society
- **3** ECO 101 Principles of Microeconomics
- **3** ECO 102 Principles of Macroeconomics
- **3** FIL 185 Legal, Ethical, & Social Environment of Business (P: ECO 101; ECO 102 (may be taken concurrently) or ECO 105) or ECO 103; 15+ earned hours
- **3** HSC 272 Construction Safety (P: MAT 120)
- **4** MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)
- **3** MKT 230 Introduction to Marketing Management (P: ECO 103 or 105 (ECO 101 and 102)
- **3** MQM 100 Statistical Reasoning (P: MAT 120, 121, 144, or 145)
- **4** PHY 105 Fundamentals of Physics
- **3** PSY 110 Fundamentals of Psychology

Take 5 additional credit hours of Construction Management electives: (TEC 111, 225, 240, 322, 324, 328, 398 (3 hours only))
Please consult with your academic advisor.

### Technology Courses:
[https://coursefinder.illinoisstate.edu/directory/tec/](https://coursefinder.illinoisstate.edu/directory/tec/)

### All Courses:
[https://coursefinder.illinoisstate.edu/directory/](https://coursefinder.illinoisstate.edu/directory/)
TECHNOLOGY

MAJOR IN CONSTRUCTION MANAGEMENT (B.S.)

Transfer Students

Illinois Articulation Initiative (min. 37 credit hours)
To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

Communication and Composition (3 courses required)
A grade of C or better required in ENG 101 and 145 or equivalents

Mathematics (1 course required)
Please see major requirements for mathematics options

Physical & Life Sciences (2 courses/7-8 hours required)
Students must complete 1 life science and 1 physical science course; at least 1 course must have a lab.

Humanities & Fine Arts (3 courses required)
At least 1 humanities and 1 fine arts course required

Social & Behavioral Sciences (3 courses required)
2 different disciplines must be represented

Additional Graduation Requirements

Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
TECHNOLOGY

MAJOR IN ENGINEERING TECHNOLOGY (B.S.)

General Education (39 credit hours)
Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)
_____   3   COM 110  Communication as Critical Inquiry
_____   3   ENG 101 or ENG 101A  Composition as Critical Inquiry

Mathematics (1 course required)
_____   4   MAT 120  Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)
Students must complete 1 course from 2 different sciences.
_____   3   CHE 102  Chemistry & Society
_____   4   PHY 105  Fundamentals of Physics

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)**

Humanities (1 course required)**

Language in the Humanities (1 course required)**

Quantitative Reasoning (1 course required)
_____   3   MQM 100  Statistical Reasoning

Science, Math, & Technology (1 course required)
Exempt for Engineering Technology majors

Social Sciences (1 course required)**
_____   3   PSY 110  Fundamentals of Psychology

Additional Graduation Requirements
_____/120 minimum total credit hours
_____/42 minimum senior college hours

AMALI requirement
***certain courses in General Education fulfill the AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.
_____   3   TEC 313  Quality Systems for Technology

Major (78 credit hours)

____ 1   TEC 100  Professional Development in Technology
____ 3   TEC 111  Fundamentals of Power Technology
____ 3   TEC 116  Introduction to Technical Drawing & Constraint-Based Solid Modeling
____ 3   TEC 130  Introduction to Manufacturing Processes
____ 3   TEC 151  Introduction to Computer Systems Technology
____ 3   TEC 216  Constraint-Based Solid Modeling & Production Drawings (P: C or better in TEC 116)
____ 3   TEC 233  CNC & Machining (P: TEC 111 and C or better in 130; TEC 216 or conc. reg.)
____ 3   TEC 234  Robotic Systems Integration (P: TEC 111 and 151)
____ 3   TEC 240  Electric Circuits & Machines (P: TEC 111 or 143 or conc. reg.)
____ 3   TEC 263  Automated Fluid Power Systems (P: C or better in TEC 111 or 143)
____ 3   TEC 270  Managing Technological Systems (P: PSY 110 or conc. reg.; 45+ earned hours)
____ 3   TEC 285  Industrial Plastics (P: TEC 130 or conc. reg.)
____ 3   TEC 293  Mechanical Properties of Materials (P: PHY 105 or conc. reg.; MAT 120 or conc. reg.)
____ 3   TEC 313  Quality Systems for Technology (P: MQM 100; MAT 120; 8+ hours of TEC courses)
____ 3   TEC 320  Project Management (P: TEC 270; 60+ earned hours)
____ 3   TEC 330  Applied Economic Analysis for Technologists (P: MAT 120; 6 credit hours of 200-level TEC courses)
____ 3   TEC 392  Manufacturing Organization & Management (P: TEC 398A or 400 hours of documented related experience; TEC 270; 9 credit hours of senior college TEC courses; 90+ earned hours)
____ 3   CHE 102  Chemistry & Society
____ 3   HSC 271  Safety Technology
____ 4   MAT 120  Finite Mathematics (P: C or better in MAT 119 or placement)
____ 3   MQM 100  Statistical Reasoning (P: MAT 120, 121, 144, or 145)
____ 4   PHY 105  Fundamentals of Physics
____ 3   PSY 110  Fundamentals of Psychology

Take 9 additional credit hours of Engineering Technology electives:
(TEC 243, 244, 333, 345, 370, 398 (3 hours only); ACC 131; ECO 101; FIL 185)
Please consult with your academic advisor.

Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
Illinois Articulation Initiative (min. 37 credit hours)
To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

Communication and Composition (3 courses required)
A grade of C or better required in ENG 101 and 145 or equivalents
______ 3  C2 900  COM 110  Communication as Critical Inquiry
______ 3  C1 900  ENG 101 or ENG 101A10  Composition as Critical Inquiry
______ 3  C1 901  ENG 145  Writing in the Academic Disciplines

Mathematics (1 course required)
Please see major requirements for mathematics options
______ 4  M1 906  MAT 120  Finite Math

Physical & Life Sciences (2 courses/7-8 hours required)
Students must complete 1 life science and 1 physical science course; at least 1 course must have a lab.
______ 3 or 4  P1 902  CHE 102  Chemistry and Society or
______ 3  P1 900L  PHY 105  Fundamentals of Physics

Humanities & Fine Arts (3 courses required)
At least 1 humanities and 1 fine arts course required
______ 3  
______ 3  
______ 3  

Social & Behavioral Sciences (3 courses required)
2 different disciplines must be represented
______ 3  S6 900  PSY 110  Fundamentals of Psychology
______ 3  
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Additional Graduation Requirements
______/120 minimum total credit hours
______/42 minimum senior college hours

AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.
______ 3  

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.
______ 3  TEC 313  Quality Systems for Technology

Major (78 credit hours)
______ 1  TEC 100  Professional Development in Technology
______ 3  TEC 111  Fundamentals of Power Technology
______ 3  TEC 116  Introduction to Technical Drawing & Constraint-Based Solid Modeling
______ 3  TEC 130  Introduction to Manufacturing Processes
______ 3  TEC 151  Introduction to Computer Systems Technology
______ 3  TEC 159  Constraint-Based Solid Modeling & Production Drawings (P: C or better in TEC 116)
______ 3  TEC 233  CNC & Machining (P: TEC 111 and C or better in 130; TEC 216 or conc. reg.)
______ 3  TEC 240  Electric Circuits & Machines (P: TEC 111 or 143 or conc. reg.)
______ 3  TEC 263  Automated Fluid Power Systems (P: C or better in TEC 111 or 143)
______ 3  TEC 270  Managing Technological Systems (P: PSY 110 or conc. reg.; 45+ earned hours)
______ 3  TEC 285  Industrial Plastics (P: TEC 130 or conc. reg.)
______ 3  TEC 293  Chemical Properties of Materials (P: PHY 105 or conc. reg.; MAT 120 or conc. reg.)
______ 3  TEC 313  Quality Systems for Technology (P: MQM 100; MAT 120; 8+ hours of TEC courses)
______ 3  TEC 320  Project Management (P: TEC 270; 60+ earned hours)
______ 3  TEC 330  Applied Economic Analysis for Technologists (P: MAT 120; 6 credit hours of 200-level TEC courses)
______ 3  TEC 392  Manufacturing Organization & Management (P: TEC 398A02 or 400 hours of documented related experience; TEC 270; 9 credit hours of senior college TEC courses; 90+ earned hours)
______ 3  TEC 313  Quality Systems for Technology
______ 3  CHE 102  Chemistry & Society
______ 3  HSC 271  Safety Technology
______ 4  MAT 120  Finite Mathematics (P: C or better in MAT 119 or placement)
______ 3  MQM 100  Statistical Reasoning (P: MAT 120, 121, 144, or 145)
______ 4  PHY 105  Fundamentals of Physics
______ 3  PSY 110  Fundamentals of Psychology

Take 9 additional credit hours of Engineering Technology electives:
(TEC 243, 244, 333, 345, 370, 398 (3 hours only); ACC 131; ECO 101; FIL 185)
Please consult with your academic advisor.
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Technology Courses:
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All Courses:
https://coursefinder.illinoisstate.edu/directory/
TECHNOLOGY

MAJOR IN GRAPHIC COMMUNICATION (B.S.)

General Education (39 credit hours)
Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)
_____   3   COM 110  Communication as Critical Inquiry
_____   3   ENG 101 or ENG 101A10  Composition as Critical Inquiry

Mathematics (1 course required)
_____   4   MAT 120  Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)
Students must complete 1 course from 2 different sciences.
_____   3   CHE 102  Chemistry & Society
_____   4   PHY 105  Fundamentals of Physics

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning (1 course required)
_____   3   MQM 100  Statistical Reasoning

Science, Math, & Technology (1 course required)
Exempt for Graphic Communications majors

Social Sciences (1 course required)***
_____   3   PSY 110  Fundamentals of Psychology

Additional Graduation Requirements
_____/120 minimum total credit hours
_____/42 minimum senior college hours

AMALI requirement
***certain courses in General Education fulfill the AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S. — SMT Requirement section of the catalog or the Course Finder website for a list of courses.
_____   3   TEC 313  Quality Systems for Technology

Major (78 credit hours)
_____   1   TEC 100  Professional Development in Technology
_____   3   TEC 116  Introduction to Technical Drawing & Constraint-Based Solid Modeling
_____   3   TEC 150  Graphic Communications Technology
_____   3   TEC 151  Introduction to Computer Systems Technology
_____   3   TEC 152  Digital Media Applications
_____   3   TEC 250  Graphic Media Composition (P: TEC 150)
_____   3   TEC 253  Image Capture & Editing (P: TEC 150)
_____   3   TEC 257  Print Media Production (P: TEC 150)
_____   3   TEC 270  Managing Technological Systems (P: PSY 110 or conc. reg.; 45+ earned hours)
_____   3   TEC 313  Quality Systems for Technology (P: MQM 100; MAT 120; 8+ hours of TEC courses)
_____   3   TEC 317  Computer-Aided Rendering & Animation (P: TEC 116 or 217)
_____   3   TEC 320  Project Management (P: TEC 270; 60+ earned hours)
_____   3   TEC 330  Applied Economic Analysis for Technologists (P: MAT 120; 6 credit hours of 200-level TEC courses)
_____   3   TEC 352  Prepress Technology (P: TEC 250)
_____   3   TEC 354  Print Production Planning & Profitability (P: TEC 257; MAT 120)
_____   3   TEC 356  Graphic Communications Business Practices (P: TEC 257)
_____   3   TEC 358  E-Publishing Management (P: TEC 152 and 250)
_____   3   CHE 102  Chemistry & Society
_____   4   PHY 105  Fundamentals of Physics
_____   3   PSY 110  Fundamentals of Psychology

Take 3 (9 credit hours) additional courses from one of the following concentrations:
Marketing Graphics Technology: TEC 350, 351, 353
Web Content Management: TEC 283, 319, 378
Please consult with your academic advisor.

Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
TECHNOLOGY

MAJOR IN GRAPHIC COMMUNICATION (B.S.)

Transfer Students

Illinois Articulation Initiative (min. 37 credit hours)
To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

Communication and Composition (3 courses required)
A grade of C or better required in ENG 101 and 145 or equivalents

Mathematics (1 course required)
Please see major requirements for mathematics options

Physical & Life Sciences (2 courses/7-8 hours required)
Students must complete 1 life science and 1 physical science course; at least 1 course must have a lab.

Mathematics (1 course required)
Please see major requirements for mathematics options

Humanities & Fine Arts (3 courses required)
At least 1 humanities and 1 fine arts course required

Social & Behavioral Sciences (3 courses required)
2 different disciplines must be represented

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B.S. Science, Math, & Technology (1 course required)
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Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
TECHNOLOGY

MAJOR IN INDUSTRIAL TECHNOLOGY

COMPUTER SYSTEMS TECHNOLOGY SEQUENCE

(B.S.)

General Education (39 credit hours)
Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)
_____  3   COM 110  Communication as Critical Inquiry
_____  3   ENG 101 or ENG 101A10  Composition as Critical Inquiry

Mathematics (1 course required)
_____  4   MAT 120  Finite Mathematics

Natural Science/Natural Science Alternatives (2 courses required)
Students must complete 1 course from 2 different sciences.
_____  3   CHE 102  Chemistry & Society
_____  4   PHY 105  Fundamentals of Physics

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)**

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning (1 course required)
_____  3   MQM 100  Statistical Reasoning

Science, Math, & Technology (1 course required)
Exempt for Computer Systems Technology majors

Social Sciences (1 course required)***
_____  3   PSY 110  Fundamentals of Psychology

Additional Graduation Requirements
_____/120 minimum total credit hours
_____/42 minimum senior college hours

AMALI requirement
***certain courses in General Education fulfill the AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.
_____  3   TEC 313  Quality Systems for Technology

Major (75 credit hours)

1   TEC 100  Professional Development in Technology
3   TEC 143  Introduction to Electronics for Data Communications
3   TEC 151  Introduction to Computer Systems Technology
3   TEC 243  Computer Networking Systems
3   TEC 244  Digital Electronics (P: MAT 120)
3   TEC 245  Applications of Operating Systems (P: TEC 151 or conc. reg.)
3   TEC 270  Managing Technological Systems (P: PSY 110 or conc. reg.; 45+ earned hours)
3   TEC 283  Information & Imaging Technologies (P: C or better in TEC 151)
3   TEC 284  Technical Computer Applications (P: TEC 143 and 283 or conc. reg.)
3   TEC 313  Quality Systems for technology (P: MQM 100; MAT 120; 8+ hours of TEC courses)
3   TEC 319  Graphical Software Interfaces (P: C or better in TEC 283)
3   TEC 320  Project Management (P: TEC 270; 60+ earned hours)
3   TEC 330  Applied Economic Analysis for Technologists (P: MAT 120; 6 credit hours of 200-level TEC courses)
3   TEC 378  E-Commerce (P: TEC 283)
3   TEC 383  Telecommunications Technology (P: TEC 243 or IT 254)
3   TEC 390  Computer Systems Applications (P: TEC 270; PHY 105; 9 credit hours of senior college Computer Systems Technology courses)
3   CHE 102  Chemistry & Society
4   MAT 120  Finite Mathematics (P: C or better in MAT 119 or placement)
3   MQM 100  Statistical Reasoning (P: MAT 120, 121, 144, or 145)
4   PHY 105  Fundamentals of Physics
3   PSY 110  Fundamentals of Psychology

Take 12 additional credit hours of Computer Systems Technology electives:
(TEC 116, 152, 216, 250, 348, 358, 370, 398 (3 hours); IT 168, 178, 254, 261, 262)
Please consult with your academic advisor.

Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
**Illinois Articulation Initiative (min. 37 credit hours)**

To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

**Communication and Composition (3 courses required)**

A grade of C or better required in ENG 101 and 145 or equivalents

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<thead>
<tr>
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<tbody>
<tr>
<td>3</td>
<td>C2 900</td>
<td>COM 110 Communication as Critical Inquiry</td>
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<tr>
<td>3</td>
<td>C1 900</td>
<td>ENG 101 or ENG 101A10 Composition as Critical Inquiry</td>
</tr>
<tr>
<td>3</td>
<td>C1 901</td>
<td>ENG 145 Writing in the Academic Disciplines</td>
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</table>

**Mathematics (1 course required)**

Please see major requirements for mathematics options

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<tbody>
<tr>
<td>4</td>
<td>M1 906</td>
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</table>

**Physical & Life Sciences (2 courses/7-8 hours required)**

Students must complete 1 life science and 1 physical science course; at least 1 course must have a lab.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>3 or 4</td>
<td>P1 902 CHE 102 Chemistry and Society or P1 900L PHY 105 Fundamentals of Physics</td>
</tr>
</tbody>
</table>

**Humanities & Fine Arts (3 courses required)**

At least 1 humanities and 1 fine arts course required

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</table>

**Social & Behavioral Sciences (3 courses required)**

2 different disciplines must be represented

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<tbody>
<tr>
<td>3</td>
<td>S6 900</td>
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**Additional Graduation Requirements**

<p>| | |</p>
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<tr>
<td>120</td>
<td>minimum total credit hours</td>
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<tr>
<td>42</td>
<td>minimum senior college hours</td>
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</table>

**AMALI requirement**

See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

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**B.S. Science, Math, & Technology (1 course required)**

See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.

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<thead>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>TEC 313 Quality Systems for Technology</td>
</tr>
</tbody>
</table>

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**Major (75 credit hours)**

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<tbody>
<tr>
<td>1</td>
<td>TEC 100 Professional Development in Technology</td>
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<tr>
<td>3</td>
<td>TEC 143 Introduction to Electronics for Data Communications</td>
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<tr>
<td>3</td>
<td>TEC 151 Introduction to Computer Systems Technology</td>
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<td>TEC 243 Computer Networking Systems</td>
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<td>TEC 244 Digital Electronics (P: MAT 120)</td>
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<td>3</td>
<td>TEC 245 Applications of Operating Systems (P: TEC 151 or conc. reg.)</td>
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<td>3</td>
<td>TEC 270 Managing Technological Systems (P: PSY 110 or conc. reg.; 45+ earned hours)</td>
</tr>
<tr>
<td>3</td>
<td>TEC 283 Information &amp; Imaging Technologies (P: C or better in TEC 151)</td>
</tr>
<tr>
<td>3</td>
<td>TEC 284 Technical Computer Applications (P: TEC 143 and 283 or conc. reg.)</td>
</tr>
<tr>
<td>3</td>
<td>TEC 313 Quality Systems for Technology (P: MQM 100; MAT 120; 8+ hours of TEC courses)</td>
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<tr>
<td>3</td>
<td>TEC 319 Graphical Software Interfaces (P: C or better in TEC 283)</td>
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<td>TEC 320 Project Management (P: TEC 270; 60+ earned hours)</td>
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<td>TEC 378 E-Commerce (P: TEC 283)</td>
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<td>TEC 383 Telecommunications Technology (P: TEC 243 or IT 254)</td>
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<td>3</td>
<td>TEC 390 Computer Systems Applications (P: TEC 270; PHY 105; 9 credit hours of senior college Computer Systems Technology courses)</td>
</tr>
<tr>
<td>3</td>
<td>CHE 102 Chemistry &amp; Society</td>
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<td>4</td>
<td>MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)</td>
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<td>3</td>
<td>MQM 100 Statistical Reasoning (P: MAT 120, 121, 144, or 145)</td>
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<td>4</td>
<td>PHY 105 Fundamentals of Physics</td>
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<td>3</td>
<td>PSY 110 Fundamentals of Psychology</td>
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**Take 12 additional credit hours of Computer Systems Technology electives:**

(TEC 116, 152, 216, 250, 348, 358, 370, 398 (3 hours); IT 168, 178, 254, 261, 262)

Please consult with your academic advisor.

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**Technology Courses:**

https://coursefinder.illinoisstate.edu/directory/tec/

**All Courses:**

https://coursefinder.illinoisstate.edu/directory/
## TECHNOLOGY
### MAJOR IN SUSTAINABLE AND RENEWABLE ENERGY (B.S.)

**General Education (39 credit hours)**
Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication and Composition (2 courses required)</td>
<td>3</td>
<td>COM 110</td>
<td>Communication as Critical Inquiry</td>
</tr>
<tr>
<td>Mathematics (1 course required)</td>
<td>4</td>
<td>MAT 120</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>Natural Science/Natural Science Alternatives (2 courses required)</td>
<td></td>
<td></td>
<td>Students must complete 1 course from 2 different sciences.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHE 102</td>
<td>Chemistry &amp; Society</td>
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<tr>
<td></td>
<td></td>
<td>PHY 105</td>
<td>Fundamentals of Physics</td>
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<tr>
<td>United States Traditions (1 course required)</td>
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<tr>
<td>Individuals &amp; Civic Life (1 course required)</td>
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<tr>
<td>Fine Arts (1 course/3 credit hours required)***</td>
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<tr>
<td>Humanities (1 course required)***</td>
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<tr>
<td>Language in the Humanities (1 course required)***</td>
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<tr>
<td>Quantitative Reasoning (1 course required)</td>
<td>3</td>
<td>MQM 100</td>
<td>Statistical Reasoning</td>
</tr>
<tr>
<td>Science, Math, &amp; Technology (1 course required)</td>
<td>3</td>
<td>HSC 156</td>
<td>Environmental Health in the 21st Century</td>
</tr>
<tr>
<td>Social Sciences (1 course required)***</td>
<td></td>
<td>PSY 110</td>
<td>Fundamentals of Psychology</td>
</tr>
</tbody>
</table>

**Additional Graduation Requirements**

- 120 minimum total credit hours
- 42 minimum senior college hours

**AMALI requirement**

***Certain courses in General Education fulfill the AMALI requirement.
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

**Major (67 credit hours)**

<table>
<thead>
<tr>
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<th>Credits</th>
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<tr>
<td>3 TEC 160 Introduction to Renewable Energy</td>
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<tr>
<td>3 TEC 258 Renewable Energy Technology Applications (P: TEC 111 and 160)</td>
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<td>3 TEC 259 Power Generation: Production, Conversion, &amp; Storage (P: TEC 111)</td>
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<tr>
<td>3 TEC 260 Research &amp; Analytic Tools in Renewable Energy (P: TEC 160; MQM 100)</td>
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<td>3 TEC 262 Energy Planning &amp; Management: From Buildings to Communities (P: TEC 111)</td>
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<tr>
<td>3 AGR 225 Renewable Energy &amp; Agriculture (P: ECO 105)</td>
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<tr>
<td>3 CHE 102 Chemistry &amp; Society</td>
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<tr>
<td>4 ECO 105 Principles of Economics</td>
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<tr>
<td>3 ECO 236 Economics of Energy &amp; Public Policy (P: ECO 105)</td>
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<tr>
<td>3 GEO 211 Earth’s Dynamic Weather</td>
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<tr>
<td>3 HSC 156 Environmental Health in the 21st Century: Meeting the Global Challenge</td>
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<td></td>
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<tr>
<td>4 MAT 120 Finite Mathematics (P: C or better in MAT 119 or placement)</td>
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<tr>
<td>3 MQM 100 Statistical Reasoning (P: MAT 120, 121, 144, or 145)</td>
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<td>4 PHY 105 Fundamentals of Physics</td>
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<tr>
<td>3 PHY 207 Energy &amp; the Environment (P: MAT 113, 120, 130 or 145)</td>
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<td>3 PSY 110 Fundamentals of Psychology</td>
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</table>

Take 6 additional credit hours of Renewable Energy electives:
(TEC 116, 117, 217, 320, 370, 398A02; FIL 185; SOC 330)
Please consult with your academic advisor.

**Renewable Energy majors are required to choose a minor from the following:**
Business Administration, Business Environment & Sustainability, Economics, Environmental Studies, Geography, or Technology. Please consult with your academic advisor.

**Technology Courses:**
[https://coursefinder.illinoisstate.edu/directory/tec/](https://coursefinder.illinoisstate.edu/directory/tec/)

**All Courses:**
[https://coursefinder.illinoisstate.edu/directory/](https://coursefinder.illinoisstate.edu/directory/)
TECHNOLOGY

MAJOR IN SUSTAINABLE AND RENEWABLE ENERGY (B.S.)

Transfer Students

Illinois Articulation Initiative (min. 37 credit hours)
To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

Communication and Composition (3 courses required)
A grade of C or better required in ENG 101 and 145 or equivalents

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<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
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<tr>
<td>ENG 101</td>
<td>3</td>
<td>Composition as Critical Inquiry</td>
</tr>
<tr>
<td>ENG 145</td>
<td>3</td>
<td>Writing in the Academic Disciplines</td>
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</table>

Mathematics (1 course required)
Please see major requirements for mathematics options

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 120</td>
<td>4</td>
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</table>

Physical & Life Sciences (2 courses/7-8 hours required)
Students must complete 1 life science and 1 physical science course; at least 1 course must have a lab.

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHE 102</td>
<td>3</td>
</tr>
<tr>
<td>PHY 105</td>
<td>4</td>
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</table>

Humanities & Fine Arts (3 courses required)
At least 1 humanities and 1 fine arts course required

Social & Behavioral Sciences (3 courses required)
2 different disciplines must be represented

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PSY 110</td>
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<tr>
<td>ECO 105</td>
<td>4</td>
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<tr>
<td>GEO 211</td>
<td>3</td>
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</table>

Additional Graduation Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum total credit hours</td>
<td>120</td>
</tr>
<tr>
<td>Minimum senior college hours</td>
<td>42</td>
</tr>
</tbody>
</table>

AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>GEO 211</td>
<td>3</td>
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</table>

Major (67 credit hours)

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<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
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<tbody>
<tr>
<td>TEC 100</td>
<td>1</td>
<td>Professional Development in Technology</td>
</tr>
<tr>
<td>TEC 111</td>
<td>3</td>
<td>Fundamentals of Power Technology</td>
</tr>
<tr>
<td>TEC 160</td>
<td>3</td>
<td>Introduction to Renewable Energy</td>
</tr>
<tr>
<td>TEC 258</td>
<td>3</td>
<td>Renewable Energy Technology Applications (P: TEC 111 and 160)</td>
</tr>
<tr>
<td>TEC 259</td>
<td>3</td>
<td>Power Generation: Production, Conversion, &amp; Storage (P: TEC 111)</td>
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<td>TEC 260</td>
<td>3</td>
<td>Research &amp; Analytic Tools in Renewable Energy (P: TEC 160; MQM 100)</td>
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<td>TEC 262</td>
<td>3</td>
<td>Energy Planning &amp; Management: From Buildings to Communities (P: TEC 111)</td>
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<td>AGR 225</td>
<td>3</td>
<td>Renewable Energy &amp; Agriculture (P: ECO 105)</td>
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<tr>
<td>CHE 102</td>
<td>3</td>
<td>Chemistry &amp; Society</td>
</tr>
<tr>
<td>ECO 105</td>
<td>4</td>
<td>Principles of Economics</td>
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<td>ECO 236</td>
<td>3</td>
<td>Economics of Energy &amp; Public Policy (P: ECO 105)</td>
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<td>3</td>
<td>Earth’s Dynamic Weather</td>
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Take 6 additional credit hours of Renewable Energy electives:
(TEC 116, 117, 217, 320, 370, 398A02; FIL 185; SOC 330)
Please consult with your academic advisor.

Renewable Energy majors are required to choose a minor from the following: Business Administration, Business Environment & Sustainability, Economics, Environmental Studies, Geography, or Technology. Please consult with your academic advisor.

Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
TECHNOLOGY

MAJOR IN TECHNOLOGY AND ENGINEERING EDUCATION (B.S.)

General Education (39 credit hours)
Refer to the General Education section of the Undergraduate Catalog for a complete list of General Education requirements and courses.

Communication and Composition (2 courses required)
_____ 3 COM 110 Communication as Critical Inquiry
_____ 3 ENG 101 or ENG 101A10 Composition as Critical Inquiry

Mathematics (1 course required)

Natural Science/Natural Science Alternatives (2 courses required)
Students must complete 1 course from 2 different sciences.
_____ 4 PHY 105 Fundamentals of Physics

United States Traditions (1 course required)

Individuals & Civic Life (1 course required)

Fine Arts (1 course/3 credit hours required)***

Humanities (1 course required)***

Language in the Humanities (1 course required)***

Quantitative Reasoning (1 course required)

Science, Math, & Technology (1 course required)
Exempt for Technology & Engineering Education majors

Social Sciences (1 course required)***
_____ 3 PSY 110 Fundamentals of Psychology

Additional Graduation Requirements
_____/120 minimum total credit hours
_____/42 minimum senior college hours

AMALI requirement
***certain courses in General Education fulfill the AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.
_____ 3 TEC 111 Fundamentals of Power Technology

Major (78 credit hours)

TEC requirements (46 credit hours)
_____ 3 TEC 101 Introduction to Teaching Technology
_____ 3 TEC 111 Fundamentals of Power Technology
_____ 3 TEC 116 Introduction to Technical Drawing & Constraint-Based Solid Modeling
_____ 3 TEC 120 Introduction to Building Construction
_____ 3 TEC 130 Introduction to Manufacturing Processes
_____ 3 TEC 150 Graphic Communications Technology
_____ 3 TEC 216 Constraint-Based Solid Modeling & Production Drawings
(P: C or better in TEC 116)
_____ 3 TEC 243 Computer Networking Systems
_____ 3 TEC 303 Engineering Design (P: TEC 216; MAT 108 and PHY 105 or conc. reg.)
_____ 3 TEC 304 Medical, Agricultural, & Bio-Related Technologies
(P: TEC 101)
_____ 3 TEC 305 Teaching Transportation, Energy, & Power Technologies
(P: TEC 101 or 301 or demonstrated competency; TEC 111 and 116 or conc. reg.)
_____ 4 TEC 307 Competencies for Teaching (P: TEC 305 and TCH 216 or conc. reg.; conc. reg. or within one semester of STT 399A33)

Take 9 additional credit hours of Technology & Engineering Education electives:
Please consult with your academic advisor.

Requirements outside of TEC (6 credit hours)
_____ 2 MAT 108 Trigonometry (P: C or better in MAT 119 or placement)
_____ 4 PHY 105 Fundamentals of Physics

Professional Education requirements (26 credit hours)
_____ 3 PSY 215 Educational Psychology (P: PSY 110 or 111)
_____ 2 TCH 212 The Teaching Profession in Secondary Schools (P: 45+ earned hours; 2.5 major & cum. GPA; ENG 101, COM 110)
_____ 3 TCH 216 Principles & Practices for Teaching & Learning in Secondary Schools (P: TCH 212; 2.5 major & cum. GPA)
_____ 3 TCH 219 Integrating Multiple Literacies & Technology Across the Secondary Curriculum (P: TCH 212, 216; 2.5 major & cum. GPA)
_____ 12 STT 399A33 Student Teaching in Technology & Engineering Education
Successful completion of 100 clinical hours required before student teaching.

Take 1 of the following courses (P: 45+ earned hours):
_____ 3 EAF 228 Social Foundations
_____ 3 EAF 231 Introduction to Philosophy of Education
_____ 3 EAF 235 Historical Foundations

Technology Courses:
https://coursefinder.illinoisstate.edu/directory/tec/

All Courses:
https://coursefinder.illinoisstate.edu/directory/
TECHNOLOGY

MAJOR IN TECHNOLOGY AND ENGINEERING EDUCATION (B.S.)

Transfer Students

Illinois Articulation Initiative (min. 37 credit hours)
To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

Communication and Composition (3 courses required)
A grade of C or better required in ENG 101 and 145 or equivalents
— 3 C2 900 COM 110 Communication as Critical Inquiry
— 3 C1 900 ENG 101 or ENG 101A10 Composition as Critical Inquiry
— 3 C1 901 ENG 145 Writing in the Academic Disciplines

Mathematics (1 course required)
Please see major requirements for mathematics options

Physical & Life Sciences (2 courses/7-8 hours required)
Students must complete 1 life science and 1 physical science course; at least 1 course must have a lab.

Humanities & Fine Arts (3 courses required)
At least 1 humanities and 1 fine arts course required

Social & Behavioral Sciences (3 courses required)
2 different disciplines must be represented
— 3 S6 900 PSY 110 Fundamentals of Psychology

Additional Graduation Requirements
—/120 minimum total credit hours
—/42 minimum senior college hours

AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.
— 3 TEC 111 Fundamentals of Power Technology

Major (78 credit hours)

TEC requirements (46 credit hours)
— 3 TEC 101 Introduction to Teaching Technology
— 3 TEC 111 Fundamentals of Power Technology
— 3 TEC 116 Introduction to Technical Drawing & Constraint-Based Solid Modeling
— 3 TEC 120 Introduction to Building Construction
— 3 TEC 130 Introduction to Manufacturing Processes
— 3 TEC 150 Graphic Communications Technology
— 3 TEC 216 Constraint-Based Solid Modeling & Production Drawings (P: C or better in TEC 116)
— 3 TEC 243 Computer Networking Systems
— 3 TEC 303 Engineering Design (P: TEC 216; MAT 108 and PHY 105 or conc. reg.)
— 3 TEC 304 Medical, Agricultural, & Bio-Related Technologies (P: TEC 101)
— 3 TEC 305 Teaching Transportation, Energy, & Power Technologies (P: TEC 101 or 301 or demonstrated competency; TEC 111 and 116 or conc. reg.)
— 4 TEC 307 Competencies for Teaching (P: TEC 305 and TCH 216 or conc. reg.; conc. reg. or within one semester of STT 399A33)

Take 9 additional credit hours of Technology & Engineering Education electives:
Please consult with your academic advisor.

Requirements outside of TEC (6 credit hours)
— 2 MAT 108 Trigonometry (P: C or better in MAT 119 or placement)
— 4 PHY 105 Fundamentals of Physics

Professional Education requirements (26 credit hours)
— 3 PSY 215 Educational Psychology (P: PSY 110 or 111)
— 2 TCH 212 The Teaching Profession in Secondary Schools (P: 45+ earned hours; 2.5 major & cum. GPA; ENG 101, COM 110)
— 3 TCH 216 Principles & Practices for Teaching & Learning in Secondary Schools (P: TCH 212; 2.5 major & cum. GPA)
— 3 TCH 219 Integrating Multiple Literacies & Technology Across the Secondary Curriculum (P: TCH 212, 216; 2.5 major & cum. GPA)
— 12 STT 399A33 Student Teaching in Technology & Engineering Education
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