

Career and Technical Education
Approved Electives for Technology Education Concentrations
Effective Fall 2007

Approved Electives for Technology Education Concentrations:

Automation & Control:

- ~~INT 2184 – Electronic Circuits and Semiconductor Concepts. Credits: 4~~
- INT 2523 - Routing and Switching Fundamentals. Credits: 3
- INT 3103 - Robots and Control Systems. Credits: 3
- INT 3153 - Advanced Routing and Switching. Credits: 3
- ~~INT 3183 – Digital Logic and Data Communications. Credits: 3~~
- INT 4183 - Microcomputer Interfacing and Data Acquisition. Credits: 3
- INT 4274 - Automation and Control Systems. Credits: 4
- INT 3073 – Programmable Logic Controllers. Credits: 3
- INT 4833 – Automatic Identification and Data Capture. Credits: 3

Construction:

- INT 2253 - Construction Equipment and Materials. Credits: 3
- INT 3213 - Surveying and Site Planning. Credits: 3
- INT 3223 - Architectural Drafting and Blueprint Reading. Credits: 3
- INT 4223 - Construction Cost Estimating. Credits: 3
- INT 4243 - Construction Project Management. Credits: 3
- INT 3603 – Mechanical Systems in Residential and Commercial Buildings. Credits: 3

Drafting & Design:

- INT 1001 - Introduction to Computer-Aided Design/Drawing (CAD). Credits: 1
- INT 2043 - Computer-Aided Engineering Drawing. Credits: 3
- INT 3063 - 3-D Modeling. Credits: 3
- INT 3223 - Architectural Drafting and Blueprint Reading. Credits: 3

Graphic Communications:

- ~~INT 3123 – Foundations of Photography. Credits: 3~~
- INT 2123 Digital Photography and Imaging. Credits: 3
- INT 3343 - Digital Media Technologies. Credits: 3
- ~~INT 3353 – Print and Digital Media Production. Credits: 3~~

- [INT 4123 - Advanced Digital Capture for WEB and Print Publishing.](#) Credits: 3
- [INT 4353 – Print and Digital Media Production.](#) Credits: 3
- [INT 4813 - Advanced Digital Media Technologies.](#) Credits: 3
- [INT 4863 – Packaging Design, Specialty Inks, and Coatings.](#) Credits: 3
- [INT 4953 – Color Management Applications: Print, Textiles, Web, and other Substrates.](#) Credits: 3

Manufacturing:

- [INT 3103 - Robots and Control Systems.](#) Credits: 3
- [INT 3113 - Manufacturing Machine Processes.](#) Credits: 3
- [INT 3143 - Manufacturing Fabrication Processes.](#) Credits: 3
- [INT 3203 - Computer Numerical Control Programming.](#) Credits: 3
- [INT 4602 - Physical Metallurgy.](#) Credits: 3
- [INT 4853 - Polymers and Composites.](#) Credits: 3

CTE a

Footnotes:

¹ Requires University Approval to Take Teacher Education Courses

Calculation of the major GPA is based on courses taken at EIU with prefixes of CTE and INT