Major Courses 60 SH

Math & Science Core 12 SH
- CHEM 1020 Chemical Technology (Fall)* 4
- MATH 1140 Precalculus 4
- PHYSICS 1511 General Physics* 4
  OR: PHYSICS 1400 Conceptual Physics (4 SH)

Technology and Engineering Core 27 SH
- TECH 1008 Manufacturing Processes I 3
- TECH 1006 Project Lead the Way: Introduction to Engineering Design 3
- TECH 1010 Manufacturing Processes II 3
- TECH 1018 Construction Resources 3
- TECH 1022 Communication Technology 3
- TECH 1024 Technical Drawing & Design I 3
- TECH 3010 Project Lead the Way: Principles of Engineering 3
- TECH 3114 Product Development and Enterprise 3
- TECH 4290 Project Lead the Way: Digital Electronics 3
  OR: PHYSICS 4290 Project Lead the Way: Digital Electronics (3 SH)

Technology and Engineering Education Core 12 SH
- TECH 1019 Intro to Tech & Eng Ed (Fall) 3
- TECH 3120 Tech & Eng Ed Curriculum Planning (Fall) 3
- TECH 3190 Tech & Eng Ed Teaching Methods (Spring) 3
- TECH 4195 Tech & Eng Ed Lab Management (Fall) 3

Technology and Engineering Electives 9 SH

Note: Technology and Engineering Education majors take courses in areas of Communication, Construction, Manufacturing, Power and Energy, and Transportation, and should have at least 6 SHr in any three of these areas. For electives, choose courses that, combined with the technology and engineering core, will help meet this requirement.

Liberal Arts Core 45 SH

For detailed information on the liberal arts core, please visit www.uni.edu/lac

Category 1. Core Competencies 12 SH
A. Reading and Writing
B. Speaking and Listening
C. Quantitative Techniques & Understanding
D. Personal Wellness

Category 2. Civilizations & Cultures 9 SH
A. Humanities
B. Non-Western Cultures

Category 3. Fine Arts, Literature, Philosophy and Religion 6 SH
A. Fine Arts
B. Literature, Philosophy, or Religion

Category 4. Natural Science and Technology 7 SH
A. Life Sciences
B. Physical Sciences*

Category 5. Social Science 9 SH
A. Sociocultural & Historical Perspectives
B. Individual & Institutional Perspectives
C. Topical Perspectives**

Category 6. Capstone Experience 2 SH

Total Hours 45 SH

*Course also satisfies Liberal Arts Core requirement.
**Satisfied by Teacher Licensure course EDPSYCH 2030.
Technology and Engineering Education

Teacher Licensure

Professional Education Sequence (PES) 30 SH

http://www.uni.edu/teached

EDPSYCH 2017 • Level 1 Field Experience: Exploring Teaching 1
EDPSYCH 2030 Dynamics of Human Development** 3
TEACHING 3128 Level 2 Field Experience: Teacher as a Change Agent 1
EDPSYCH 3148 Learning & Instruction in Classroom Contexts 3
SPED 3150 • Meeting the Needs of Diverse Learners 2
MEASURES 3150 Classroom Assessment 2
SOCFOUND 3119 Schools & American Society 3
TEACHING 4170 Human Relations: Aware & App 3
TEACHING 3138 Level 4 Field Experience: Student Teaching 12

• Can be taken prior to full admission to teacher education program

Note: INSTECH 1020 Secondary Educational Technology & Design is waived for Technology Education

Minor in Technology Education 30 SH

Required Hours: 30 SH
TECH 1008 Manufacturing Processes I 3
TECH 1010 Manufacturing Processes II 3
TECH 1018 Construction Resources 3
TECH 1019 Intro to Technology & Eng Ed 3
TECH 1022 Communication Technology 3
TECH 1024 Technical Drawing & Design I 3
TECH 2036 Power Technology 3
TECH 3190/5190 Technology & Eng Ed Teach Methods 3
   (Level 3 Field Experience. Requires EDPSYCH 3128
   Level 2 Field Experience as pre/corequisite)
TECH 4195/5195 Technology & Eng Ed Lab Mgmt (Fall) 3

3 SH of electives in Industrial Technology chosen from Construction, Energy and Power, or Transportation.

This minor provides the necessary coursework for a secondary teaching major outside of Technology Education to obtain a teaching endorsement in this field.

4 Levels of Teacher Education

Level 1: (prerequisites to Level 2)
EDPSYCH 2017 and EDPSYCH 2030 are taken same semester.
SPED 3150 taken any time after EDPSYCH 2030.
Must pass PRAXIS1 (PPST).
2.5 GPA and full admission to teacher education program.

Level 2: (prerequisite to Level 3)
EDPSYCH 3128, EDPSYCH 3148, and MEASURES 3150 are taken same semester.

Level 3: (prerequisites to Level 4)
SOCFOUND 3119, TEACHING 4170, and Technology Education Core TECH 3190.

Level 4: (student teaching)
All coursework must be completed prior to TEACHING 3138.