

Industrial Technology

Learning Outcomes for all Education majors

Upon completion of this program, students will be able to:

- Demonstrate an understanding of the 10 InTASC standards at the appropriate progression level(s)1 in the following categories: the learner and learning; content; instructional practice; and professional responsibility.
- Use research and evidence to develop an understanding of the teaching profession and use both to measure their P-12 students' progress and their own professional practice.'
- Apply content and pedagogical knowledge as reflected in outcome assessments in response to standards of Specialized Professional Associations (SPA), the National Board for Professional Teaching Standards (NBPTS), states, or other accrediting bodies (e.g., National Association of Schools of Music – NASM).
- Demonstrate skills and commitment that afford all P-12 students access to rigorous college- and career-ready standards (e.g., Next Generation Science Standards, National Career Readiness Certificate, Common Core State Standards).
- Model and apply technology standards as they design, implement and assess learning experiences to engage students and improve learning; and enrich professional practice.

Bachelor of Science in Education Industrial Technology 5-12 (Teaching)

Learning Outcomes: Candidates apply theory-to-practice pedagogy that will help them become effective 21st century educators. Candidates have a comprehensive content knowledge base used to instruct research based strategies to meet the needs of diverse student populations. Candidates demonstrate an understanding of and actively embrace the differences among diverse people, cultures, circumstances, environments. Candidates demonstrate a willingness to assist their future students' academic, emotional, personal, cultural, and physical needs.

Refer to transfer guide or articulation agreement if you are a transfer student.

Prerequisites for Admission to Secondary Education Industrial Technology 5-12 Program refer to page 28.

Code	Title	Credits
General Education Core (https://catalognow.msun.edu/general-education-core/general-education-core/)		33
Required Courses		
AST 160	Automotive Engine Repair	5
CIS 308	Industrial Electronics	4
EDU 370	Integrating Tech in Education	3
CSTN 105	Introduction to Woodworking	3
CSTN 217	Furniture & Cabinetmaking	3
DDSN 119	Technical Graphics I	3
DDSN 114	Introduction to CAD	3
EDU 225	Intro to Education Psychology	3
EDSP 304	Ed and Psyc Exceptl Child	3
EDU 201	Intro to Educ with Fld Exprnce	3
EDU 380	Intro Curric Plan/Practice	3
EDUC 321	Integrating Tech into Educ	1
EDU 383	Assessment in Education	3
EDU 481	Content Area Literacy	2
EDU 495	Student Teaching (5-12)	12
EDU 452	Advanced Practicum	3
EET 110	Electronics Survey I	3
HTH 110	Personal Health and Wellness	3
IT 100	Introduction to Technology (Meets CAT VII Requirement)	3
IT 130	Construction Technology	3
MCH 200	Machining	3
MCH 250	Manuf Processes and Materials	3

PSYX 230	Developmental Psychology (Meets CAT IV Requirement)	3
WLDG 110	Welding Theory I	2
WLDG 111	Welding Theory I Practical	2
Technical Endorsement (see advisor for more information)		10
Electives		1
Total minimum credits required for degree		128