



School of Technology - Graphic Communication Systems & Technological Studies

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- Prospective Students
- Current Students
- Faculty/Staff/Admin
- Business & Industry
- Research @ A&T
- Athletics
- Alumni
- Fact Book
- Giving to A&T
- Capital Campaign
- News & Information
- Home



HOME	OBJECTIVES	FACULTY & STAFF	SCHOLARSHIPS	RESOURCES	CONTACT
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PRINTING AND PUBLISHING	▼
COMPUTER AIDED DRAFTING	▼
INTEGRATED INTERNET TECHNOLOGIES	▼
TECHNOLOGY EDUCATION	▼
Technology Education, Teaching	▼
Industrial Training & Development	▼
A & T HOME	▼

GCSTS offers a B.S. Ed. and a M.S. Ed. in Technology Education. Depending on which concentration you take, the degree will qualify you for a management job in industry or a teaching job.

**INDUSTRIAL TRAINING AND DEVELOPMENT CONCENTRATION GOAL:**

The goal of the Industrial Training and Development concentration is to prepare students to become capable trainers and developers of employees in industry and business. Students will become Catalysts for Learning.

The goal of the licensure option of the Trade and Industrial Education concentration is to prepare students to develop cognitive and psychomotor skills in a technical specialization such as construction, drafting, graphics, electronics, manufacturing, or transportation. Students should become Catalysts for Learning. Graduates will be qualified to be licensed in North Carolina to teach trade and industrial education in secondary schools.

**TECHNOLOGY EDUCATION, TEACHING CONCENTRATION GOAL:**

The goal of the Technology Education concentration is to prepare students to become technologically literate and satisfy North Carolina Department of Public Instruction certification/licensure requirements for teaching technology education in the public schools; to prepare Catalysts for Learning.

The overall goal across all three concentrations is to help students become Catalysts for Learning whether they end up in a career in industry or the public schools. This is the personification of the Conceptual Framework.

Because this is our conceptual framework, students will understand that:

- Diversity is an important area for obtaining knowledge, skills, & dispositions. Capitalize on the various backgrounds of students & peers. Address their needs.
- Assessment is an important area for obtaining knowledge, skills, and dispositions. Use assessment to improve instruction and foster achievement.
- Reflection is an important area for obtaining knowledge, skills, and dispositions. Reflect on teaching and learning in order to improve achievement.
- Technology is an important area for obtaining knowledge, skills, and dispositions. Use technology to enhance learning.
- Students will understand how to work with parents, families, and the overall community.

**PROGRAM OBJECTIVES**

As specified by NCATE, INTASC, CTTE-ITEA, NAITTE, NBPTS, DART, and NC-DPI... In order to become professional trainers and developers, students in the Industrial Training and Development concentration will:

- Develop technological literacy and content expertise in areas specified by state and national guidelines, competencies, and standards.
- Develop instructional skill and appropriate attitudes for training and developing employees in industry and business.
- Understand how to utilize a variety of teaching methods in a variety of laboratory settings such as modular and general laboratories as appropriate for training and development.
- Develop skill in the use of instructional technology within the context of training and development.
- Develop an appreciation for the differences in learners and how to address and capitalize on employee diversity.
- Apply knowledge, skills, creativity, and resources to the solution of technological problems.
- Develop competencies in communications, sciences, mathematics, and technological specialties.
- Understand how to develop instructional curricula and programs.
- Learn hands-on experiences with a variety of computer software programs and technological equipment.
- Understand the impacts, evolution, and social implications of technology.

**Curriculum Guide for Technology Education Concentration**

**Freshman Year**

1st Semester	Credit	2nd Semester	Credit
MATH 111	4	ENGL 101	3
GCS 133	3	MATH 112	4
GCS 100/UNST 100	1	GCS 234(SAC*)	3
UNST 110	3	UNST 140	3
UNST 130	3	CUIN 102	2

- [Industrial Training & Development](#)
  - [Trade and Industrial Education, Teaching](#)
  - [Technology Education, Teaching](#)
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  - [Tech Ed. Curriculum Guide](#)
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  - [MAT Program Info](#)
  - [University Admissions Information](#)
  - [School of Technology](#)

