Technology Management

- Bachelor of Arts (B.A.)
- Program Curriculum

University of Northern Iowa

Mathematics/Science coursework — 11 cr.

CHEM 1010 - Principles of Chemistry ***or***
CHEM 1020 - Chemical Technology ***or***
CHEM 1110 - General Chemistry I — 4 cr.
- *courses also satisfy UNIFI Scientific Reasoning requirement.*

PHYSICS 1000 - Physics in Everyday Life ***or***
PHYSICS 1511 - General Physics I — 4 cr.
- *courses also satisfy UNIFI Scientific Reasoning requirement.*

STAT 1772 - Introduction to Statistical Methods — 3 cr.
- *course also satisfies UNIFI Quantitative Reasoning requirement.*

Management Core — 21 cr.

TECH 2119 - Computer Applications in Technology	3 cr.
TECH 3065 - Technology & Organizational Efficiency	3 cr.
TECH 3131 - Technical Project Management	3 cr.
TECH 3142 - Statistical Quality Control	3 cr.
TECH 3143 - Managing Operations & Manuf. Systems	3 cr.
TECH 3180 - Lean & Sustainable Operations	3 cr.
TECH 4187 - Applied Industrial Supervision & Management	3 cr.

Technical Electives — 36 cr.

Students in the Technology Management major may select technical coursework to customize their degree.

UNI Foundational Inquiry — 37 cr.

Written Communications	**3 cr.**
Oral Communications	**3 cr.**
Quantitative Reasoning	**3 cr.**
• *requirement completed with STAT 1772.*	
Human Condition (Domestic)	**3 cr.**
Human Condition (Global)	**3 cr.**
Scientific Reasoning	**4 cr.**
• *requirement completed with CHEM or PHYSICS.*	
Human Expression	**3 cr.**
Responsibility	**3 cr.**
UNIFI Elective	**3 cr.**
• *requirement completed with CHEM or PHYSICS.*	
UNIFI Elective	**3 cr.**
UNIFI Elective	**3 cr.**
UNIFI Elective	**3 cr.**

Inspired by the University of Northern Iowa mission to engage students in high-quality and high-impact learning experiences within a challenging and supportive environment, UNI's new general education requirements are designed to ensure that students' foundational learning experiences lead to a lifetime full of potential. For more information, visit **unifi.uni.edu**.

Credit Totals

Math/Science coursework	11 cr.
Management core	21 cr.
Technical electives	36 cr.
UNI Foundational Inquiry (UNIFI)	37 cr.
Credits counted twice (major & UNIFI)	-10 cr.
Total	**95 cr.**
University Electives needed	25 cr.
Grand Total	**120 cr.**

Department of Applied Engineering & Technical Management
University of Northern Iowa
25 Industrial Technology Center
Cedar Falls, IA 50614-0178
Phone: (319) 273-2561 || E-mail: appliedengineering@uni.edu

Important ALEKS Test Information

The ALEKS test is a math placement test that all UNI students must complete prior to enrolling in certain math & science courses. Below are the scores required for the math & science requirements in this program:

- PHYSICS 1511: 45
- STAT 1772: 50

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Example course sequence for ***first-year, freshmen*** students

Fall 1		**Spring 1**	
UNIFI Written Communication course	3 cr.	UNIFI Oral Communication course	3 cr.
UNIFI elective course	3 cr.	STAT 1772 - Introduction to Statistical Methods	3 cr.
CHEM 1020 - Chemical Technology	4 cr.	Technical elective course	3 cr.
Technical elective course	3 cr.	Technical elective course	3 cr.
University elective course	3 cr.	University elective course	3 cr.
	Total: 16 cr.		***Total: 15 cr.***
Fall 2		**Spring 2**	
UNIFI Human Condition (Domestic) course	3 cr.	UNIFI Human Expression course	3 cr.
PHYSICS 1000 & PHYSICS 1010 - Physics in Everyday Life & Lab	4 cr.	TECH 2119 - Computer Applications in Technology	3 cr
Technical elective course	3 cr.	Technical elective course	3 cr.
Technical elective course	3 cr.	Technical elective course	3 cr.
University elective course	3 cr.	University elective course	3 cr.
	Total: 16 cr.		***Total: 15 cr.***
Fall 3		**Spring 3**	
UNIFI Human Condition (Global) course	3 cr.	UNIFI Responsibility course	3 cr.
TECH 3142 - Statistical Quality Control^	3 cr.	TECH 3065 - Technology & Organizational Efficiency^SO	3 cr.
Technical elective course	3 cr.	TECH 3131 - Technical Project Management	3 cr.
Technical elective course	3 cr.	Technical elective course	3 cr.
University elective course	3 cr.	University elective course	3 cr.
	Total: 15 cr.		***Total: 15 cr.***
Fall 4		**Spring 4**	
UNIFI elective course	3 cr.	UNIFI elective course	3 cr.
TECH 3143 - Manging Operations & Manufacturing Systems^	3 cr.	TECH 3180 - Lean & Sustainable Operations^SO	3 cr.
TECH 4187 - Applied Industrial Supervision & Management	3 cr.	Technical elective course	3 cr.
Technical elective course	3 cr.	University elective course	3 cr.
University elective course	3 cr.	University elective course	1 cr
	Total: 15 cr.		***Total: 13 cr.***

Example course sequence for ***transfer students with an A.A. or A.S.*** degree

Fall 1		**Spring 1**	
STAT 1772 - Introduction to Statistical Methods	3 cr.	PHYSICS 1000 & PHYSICS 1010 - Physics in Everyday Life & Lab	4 cr.
Technical elective course	3 cr.	TECH 3065 - Technology & Organizational Efficiency^SO	3 cr.
Technical elective course	3 cr.	TECH 3131 - Technical Project Management	3 cr.
Technical elective course	3 cr.	TECH 3142 - Statistical Quality Control^	3 cr.
Technical elective course	3 cr.	Technical elective course	3 cr.
	Total: 15 cr.		***Total: 16 cr.***
Fall 2		**Spring 2**	
CHEM 1020 - Chemical Technology	3 cr.	TECH 3180 - Lean & Sustainable Operations^SO	3 cr.
TECH 2119 - Computer Applications in Technology	3 cr.	TECH 4187 - Applied Industrial Supervision & Management	3 cr.
TECH 3143 - Managing Operations & Manufacturing Systems^	3 cr.	Technical elective course	3 cr.
Technical elective course	3 cr.	Technical elective course	3 cr.
Technical elective course	3 cr.	Technical elective course	3 cr.
Technical elective course	3 cr.	Technical elective course	3 cr.
	Total: 18 cr.		***Total: 18 cr.***

Legend
^ - course requires a prerequisite.
% - course requires a co-requisite.
FO - course is only offered in the fall.
SO - course is only offered in the spring.

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