

Departmental/Program Major Courses (52 credits)

- _____ (3) CGT 11000 Technical Graphics Communication or
_____ CGT 11600 Geometric Modeling for Visualization and Communication
- _____ (3) CGT 22600 Introduction to Constraint-Based Modeling
- _____ (3) CNIT 15500 Introduction to Object-Oriented Programming
- _____ (3) CNIT 17600 Information Technology Architectures
- _____ (3) IT 21400 Introduction to Lean Manufacturing
- _____ (3) IT 34200 Introduction to Statistical Quality
- _____ (3) IT 44600 Six Sigma Quality
- _____ (3) IT 45000 Production Cost Analysis
- _____ (1) MET 16200 Computational Analysis Tools for MET
- _____ (3) MET 11100 Applied Statics
- _____ (3) MET 14300 Materials and Processes I or
_____ MET 14400 Materials and Processes II
- _____ (3) MET 24500 Manufacturing Systems
- _____ (3) OLS 25200 Human Behavior in Organizations
- _____ (3) OLS 28400 Leadership Principles
- _____ (3) TECH 12000 Design for Technology (*satisfies Science, Technology & Society Selective and Information Literacy for core*)
- _____ (3) TECH 32000 Technology and the Organization
- _____ (3) TECH 33000 Technology and the Global Society
- _____ (1) TECH 49600 Senior Design Project Proposal
- _____ (2) TECH 49700 Senior Design Project

Other Departmental/Program Course Requirements (28 credits)

- _____ (3) MA 15800 Precalculus – Functions and Trigonometry (*satisfies Quantitative Reasoning for core*)
- _____ (3) MA 22100 Calculus for Technology I
- _____ (4) PHYS 21800 General Physics (*satisfies Science for core*)
- _____ (3) Written Communication Foundation Selective (*satisfies Written Communication for core*)
- _____ (3) ENGL 42100 Technical Writing
- _____ (3) COM 11400 (*satisfies Oral Communication for core*)
- _____ (3) Advanced Oral Communication Selective
- _____ (3) ECON 21000 (*satisfies Human Culture Behavioral/Social Science for core*)
- _____ (3) Humanities Foundation Selective (*satisfies Human Cultures Humanities for core*)

Concentration Requirements (28 credits)

- _____ (4) Lab Science Foundation Selective (*satisfies Science for core*)
- _____ (6) ECET Selectives
- _____ (18) Technical Selectives¹

¹ At least 12 credit hours must be upper-level courses (≥30000) and at least 6 credit hours must be in the same discipline

Free and Humanities/Liberal Arts Electives (12 credits)

- _____ (3) _____ Free Elective _____ (3) _____ Free Elective _____ (3) _____ Hum/LA Elective _____ (3) _____ Hum/LA Elective

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			

The student is ultimately responsible for knowing and completing all degree requirements.
Degree Works is knowledge source for specific requirements and completion

Engineering Technology Technology Integration Concentration

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	CGT 11000 or CGT 11600		3	CGT 22600	CGT 11000 or CGT 11600
3	MA 15800		3	CNIT 15500	
3	MET 14300 or MET 14400		3	COM 11400	
1	MET 16200		3	IT 21400	
3	TECH 12000		3	Humanities Fnd Selective	
3	Written Comm Fnd Selective				
16			15		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	CNIT 17600		3	ECET Selective	
3	MA 22100	MA 15800	3	ECON 21000	
3	MET 24500	MET 14300 or MET 14400 CGT 11000	3	MET 11100	MA 15800 MET 16200
4	PHYS 21800		3	OLS 25200	
3	ECET Selective		4	Lab Science Fnd Selective	
16			16		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	IT 34200	MA 15800	3	ENGL 42100	Written Comm Selective
3	TECH 32000	TECH 12000	3	IT 44600	IT 34200
3	Adv Oral Comm Selective		3	OLS 28400	
3	Humanities/Lib Arts Elective		3	TECH 33000	TECH 12000
3	Technical Selective ¹		3	Technical Selective ¹	
15			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	IT 45000	MA 15800	2	TECH 49700	TECH 49600
1	TECH 49600		3	Free Elective	
3	Free Elective		3	Humanities/Lib Arts Elective	
3	Technical Selective ¹		3	Technical Selective ¹	
3	Technical Selective ¹		3	Technical Selective ¹	
13			14		

¹ At least 12 credit hours must be upper-level courses (≥30000) and at least 6 credit hours must be in the same discipline

**120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.**

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