



OKLAHOMA CITY

BACHELOR OF TECHNOLOGY

ENGINEERING TECHNOLOGIES B. T.**Bachelor of Technology****Automation Concentration****Degree Sheet**

2024-2025 Catalog

General Education Requirements			40 Credit Hours	Credit Hours	Prerequisites
ENGL	1113	English Composition I		3	[R] [W]
ENGL	1213	English Composition II		3	ENGL 1113
Select One				3	[R] [W]
SPCH	1113	Introduction to Speech Communication			
SPCH	2723	Interpersonal Communication			
Select One:				3	[R] [W]
HIST	1483	US History to 1865			
HIST	1493	US History Since 1865			
POLS	1113	American Government		3	[R] [W]
PSYC	1113	Introductory Psychology		3	[R] [W]
Select One:				3	[R] [W]
PHIL	1213	Introduction to Ethics			
PHIL	1313	Critical Thinking			
SOC	3623	Cultural Diversity		3	Junior Standing
<i>Select any 3 credit hours of college-level science courses</i>					
				3	Varies
PHYS	1114	General Physics I		4	[R], MATH 1483 or MATH 1513
MATH	1513	Precalculus I		3	[M]
STAT	2013	Elementary Statistics		3	[M]
MATH	2103	Business Calculus		3	MATH 1483
Support and Related Courses			6 Credit Hours		
CIS	1123	Programming Fundamentals		3	[R]
MGMT	2143	Organizational Leadership		3	[R] [W]
Completed Associate Degree			35 Credit Hours		
Engineering Technology A.A.S. degree with 35 technical hours				35	Varies
<i>Selective admission into the following courses is required, based on certain criteria. For admission requirements, visit osuokc.edu/ENGT</i>					
Required Core Courses			40 Credit Hours		
GENT	1313	Introduction to Occupational Safety		3	None
ENGT	3603	Additive Manufacturing		3	ENGT 1203
ENGT	3904	Industry Internship		4	Junior Standing
ENGT	4703	Industrial Simulations and Modeling		3	ENGT 2303
ENGT	4803	Lean Manufacturing and Six sigma		3	ENGT 2323, STAT 2013
ENGT	4812	Facilities Planning and Material Handling		2	ENGT 4703
ENGT	4833	Industrial Economics and Cost Analysis		3	MATH 2103, STAT 2013
ENGT	4904	Capstone Design Project		4	Department Head Approval
ENGT	3543	Advanced Programmable Logic Controllers		3	ENGT 2333
ENGT	3644	Industrial Robotics		4	ENGT 3543
ENGT	4744	Industrial Automation		4	ENGT 3543
ENGT	3574	Manufacturing Operations I		4	ENGT 1103, Pre/Coreq: MATH 2103
Total to Graduate				121	

ADDITIONAL GRADUATION REQUIREMENTS:

- 2.0 Graduation/Retention GPA
- 30 credit hours earned in residence at OSU-OKC
- 60 credit hours from baccalaureate degree granting institution
- 40 credit hours of upper division
- Grade of "C" or better required in all PSM courses

NOTES LEGEND:

- FA= Fall, SP=Spring, SU=Summer
[R] Reading Proficiency/Placement
[W] Writing Proficiency/Placement
[M] Math Proficiency/Placement

ENGINEERING TECHNOLOGIES B. T.**Bachelor of Technology
Industrial Engineering Concentration
Degree Sheet**

2024-2025 Catalog

General Education Requirements			40 Credit Hours	Credit Hours	Prerequisites
ENGL	1113	English Composition I		3	[R] [W]
ENGL	1213	English Composition II		3	ENGL 1113
Select One				3	[R] [W]
SPCH	1113	Introduction to Speech Communication			
SPCH	2723	Interpersonal Communication			
Select One:				3	[R] [W]
HIST	1483	US History to 1865			
HIST	1493	US History Since 1865			
POLS	1113	American Government		3	[R] [W]
PSYC	1113	Introductory Psychology		3	[R] [W]
Select One:				3	[R] [W]
PHIL	1213	Introduction to Ethics			
PHIL	1313	Critical Thinking			
SOC	3623	Cultural Diversity		3	Junior Standing
<i>Select any 3 credit hours of college-level science courses</i>					
				3	Varies
PHYS	1114	General Physics I		4	[R], MATH 1483 or MATH 1513
MATH	1513	Precalculus I		3	[M]
STAT	2013	Elementary Statistics		3	[M]
MATH	2103	Business Calculus		3	MATH 1483
Support and Related Courses			6 Credit Hours		
CIS	1123	Programming Fundamentals		3	[R]
MGMT	2143	Organizational Leadership		3	[R] [W]
Completed Associate Degree			35 Credit Hours		
Engineering Technology A.A.S. degree with 35 technical hours				35	Varies
<i>Selective admission into the following courses is required, based on certain criteria. For admission requirements, visit osuokc.edu/ENGT</i>					
Required Core Courses			40 Credit Hours		
GENT	1313	Introduction to Occupational Safety		3	None
ENGT	3603	Additive Manufacturing		3	ENGT 1203
ENGT	3904	Industry Internship		4	Junior Standing
ENGT	4703	Industrial Simulations and Modeling		3	ENGT 2303
ENGT	4803	Lean Manufacturing and Six sigma		3	ENGT 2323, STAT 2013
ENGT	4812	Facilities Planning and Material Handling		2	ENGT 4703
ENGT	4833	Industrial Economics and Cost Analysis		3	MATH 2103, STAT 2013
ENGT	4904	Capstone Design Project		4	Department Head Approval
ENGT	3574	Manufacturing Operations I		4	ENGT 1103, Pre/Coreq: MATH 2103
ENGT	3674	Human Factors and Ergonomics		4	ENGT 2323
ENGT	4774	Manufacturing Operations II		4	ENGT 3574
ENGT	3543	Advanced Programmable Logic Controllers		3	ENGT 2333

Total to Graduate 121**ADDITIONAL GRADUATION REQUIREMENTS:**

- 2.0 Graduation/Retention GPA
- 30 credit hours earned in residence at OSU-OKC
- 60 credit hours from baccalaureate degree granting institution
- 40 credit hours of upper division
- Grade of "C" or better required in all PSM courses

NOTES LEGEND:

FA= Fall, SP=Spring, SU=Summer
 [R] Reading Proficiency/Placement
 [W] Writing Proficiency/Placement
 [M] Math Proficiency/Placement

INFORMATION TECHNOLOGIES B.T.**Bachelor of Technology****Cybersecurity Track****Degree Sheet**

2024-2025 Catalog

General Education Courses			40 Credit Hours	Credit Hours	Prerequisites
ENGL	1113	English Composition I		3	[R] [W]
ENGL	1213	English Composition II		3	ENGL 1113
<i>Select One:</i>	HIST	1483 U.S. History to 1865		3	[R] [W]
	HIST	1493 U.S. History since 1865			
POLS	1113	American Government		3	[R] [W]
POLS	3223	Problems in Public Policy		3	POLS 1113 or Dept Head Approval
PSYC	1113	Introductory Psychology		3	[R] [W]
<i>Select One:</i>	SOC	1113 Introductory Sociology		3	[R] [W]
	SOC	3623 Cultural Diversity			Junior Standing
<i>Select One:</i>	SPCH	1113 Introduction to Speech Communication		3	[R] [W]
	SPCH	2723 Interpersonal Communication			
<i>Select any 3 credit hours of college-level Math course</i>					
MATH	1483	Mathematical Functions and Their Uses		3	[M]
<i>Select any 6 credit hours designated as humanities (H), one low level, and one upper level</i>					
				3	Varies
				3	Varies
<i>Select any 7 credit hours of science, one with a lab</i>					
				4	Varies
				3	Varies

Completed Associates Degree 30 Credit Hours

Information Technologies A.S. or A.A.S. degree with 30 technical hours	30	Varies
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Cybersecurity Track 12 Credit Hours

ITD	1543	Introduction to Computer Forensics	3	[R]
ITD	1613	Cloud Computing	3	[R]
ITD	2213	Server OS	3	ITD 1533
ITD	2433	Linux	3	None

Selective Admission into the following courses is required based on completion of an Associate in Applied Science degree or higher.

Required Upper Division Courses 40 Credit Hours

CIS	3001	Employment Orientation	1	Department Head Approval
CIS	3113	Information Project Management	3	None
CIS	3463	Server Administration	3	CIS 2363
ITD	3143	Digital Investigations and Reporting	3	ITD 1543
ITD	3163	Cyber Ethics and Law	3	None
ITD	3173	Advanced Computer Forensics	3	ITD 3143
ITD	3513	Cloud Computing Architecture	3	ITD 1613
ITD	4133	Secure Network	3	ITD 1533
ITD	4223	Cryptography	3	MATH 1483
ITD	4743	Cloud Security	3	ITD 4133
		Approved Technical Elective (3000 or 4000 level)	3	Varies
CIS	4900	Internship	9	Department Head Approval

Total to Graduate**122****ADDITIONAL GRADUATION REQUIREMENTS:**

- 2.0 Graduation/Retention GPA
- 30 credit hours earned in residence at OSU-OKC
- 60 credit hours from baccalaureate degree granting institution
- 40 credit hours of upper division coursework
- Grade of "C" or better required in all upper division technical coursework
- Students must complete the prerequisite course with a grade of 'C' or better to advance to the next course in the required sequence

NOTES LEGEND:

- FA= Fall, SP=Spring, SU=Summer
 [R] Reading Proficiency/Placement
 [W] Writing Proficiency/Placement
 [M] Math Proficiency/Placement

INFORMATION TECHNOLOGIES B.T.**Bachelor of Technology
Software Development Track
Degree Sheet**

2024-2025 Catalog

General Education Courses				40 Credit Hours	Credit Hours	Prerequisites
ENGL	1113	English Composition I		3	[R] [W]	
ENGL	1213	English Composition II		3	ENGL 1113	
Select One:	HIST	1483	U.S. History to 1865	3	[R] [W]	
	HIST	1493	U.S. History since 1865			
POLS	1113	American Government		3	[R] [W]	
POLS	3223	Problems in Public Policy		3	POLS 1113 or Dept Head Approval	
PSYC	1113	Introductory Psychology		3	[R] [W]	
Select One:	SOC	1113	Introductory Sociology	3	[R] [W]	
	SOC	3623	Cultural Diversity		Junior Standing	
Select One:	SPCH	1113	Introduction to Speech Communication	3	[R] [W]	
	SPCH	2723	Interpersonal Communication			

Select any 3 credit hours of college-level Math course

MATH	1483	Mathematical Functions and Their Uses		3	[M]
<i>Select any 6 credit hours designated as humanities (H), one low level, and one upper level</i>					
				3	Varies
				3	Varies

Select any 7 credit hours of science, one with a lab

				4	Varies
				3	Varies

Completed Associates Degree 30 Credit Hours

Information Technologies A.S. or A.A.S. degree with 30 technical hours				30	Varies
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Software Development Track 12 Credit Hours

CIS	2013	C++ Language Programming		3	CIS 1123
CIS	2023	C# (Sharp) Programming		3	CIS 1123
CIS	2323	Java		3	CIS 1123
CIS	2703	Systems Analysis and Design		3	CIS 2013 or CIS 2023 or CIS 2323

*Selective Admission into the following courses is required based on completion of an Associate in Applied Science degree or higher.***Required Upper Division Courses 40 Credit Hours**

CIS	3001	Employment Orientation		1	Department Head Approval
CIS	3023	Web Programming		3	CIS 2013 or CIS 2023 or CIS 2323
CIS	3113	Information Project Management		3	None
CIS	3463	Server Administration		3	CIS 2363
CIS	3663	Software Development .NET		3	CIS 2023
CIS	3713	Systems Implementation		3	CIS 2703
CIS	4213	Computer Architecture		3	CIS 3663
CIS	4323	Data Structures		3	CIS 2323
CIS	4333	Mobile Programming		3	CIS 3023
CIS	4453	Software Engineering		3	CIS 3663
		Approved Technical Elective (3000 or 4000 level)		3	Varies
CIS	4900	Internship		9	Department Head Approval

Total to Graduate**122****ADDITIONAL GRADUATION REQUIREMENTS:**

- 2.0 Graduation/Retention GPA
- 30 credit hours earned in residence at OSU-OKC
- 60 credit hours from baccalaureate degree granting institution
- 40 credit hours of upper division coursework
- Grade of "C" or better required in all upper division technical coursework
- Students must complete the prerequisite course with a grade of 'C' or better to advance to the next course in the required sequence

NOTES LEGEND:

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 [R] Reading Proficiency/Placement
 [W] Writing Proficiency/Placement
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PUBLIC SAFETY MANAGEMENT B.T.
Bachelor of Technology
Degree Sheet

2024-2025 Catalog

General Education Courses				40 Credit Hours	Credit Hours	Prerequisites
	ENGL	1113	English Composition I	3	[R] [W]	
	ENGL	1213	English Composition II	3	ENGL 1113	
	Select One:	HIST	1483 U.S. History to 1865	3	[R] [W]	
		HIST	1493 U.S. History since 1865			
	POLS	1113	American Government	3	[R] [W]	
	POLS	3223	Problems in Public Policy	3	POLS 1113	
	PSYC	1113	Introductory Psychology	3	[R] [W]	
	Select One:	SOC	1113 Introductory Sociology	3	[R] [W]	
		SOC	3623 Cultural Diversity		SOC 1113 or Junior Standing	
	Select One:	SPCH	1113 Introduction to Speech Communication	3	[R] [W]	
		SPCH	2723 Interpersonal Communication			

Select any 3 credit hours of college-level Math course

				3	Varies
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Select any 6 credit hours designated as humanities (H), one low level, and one upper level

				3	Varies
				3	Varies

Select any 7 credit hours of science, one with a lab

				4	Varies
				3	Varies

Required Electives 6 Credit Hours

Select any 3 credit hours of college-level computer science

				3	Varies
	PSER	3333	Public Sector Budgeting and Resource Management	3	[R] [W]

Completed Associates Degree 27 Credit Hours

	Public Safety A.S. or A.A.S. with at least 27 technical hours			27	Varies
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Specialization Tracks 14 Credit Hours

Select 14 hours of specialty coursework in public safety area per department head advisement

				3	Varies
				3	Varies
				3	Varies
				3	Varies
				2	Varies

Selective Admission into the following courses is required, based on certain criteria. For admission requirements, visit osuokc.edu/psm

Required Upper Division Courses 33 Credit Hours

PSM	3013	Multi-agency Response to Emergency/Critical Incidents	3	None	FA only
PSM	3023	Tactical Emergency Management	3	None	FA only
PSM	3033	Strategic Planning and Analysis in Public Safety Agencies	3	None	SP only
PSM	3043	Community Relations in Public Safety	3	None	SP only
PSM	4113	Technical Dissemination of Emergency Public Information	3	None	FA only
PSM	4123	Ethical Practices in Public Safety	3	None	FA only
PSM	4133	Legal Issues Facing Public Safety Agencies	3	None	SP only
PSM	4143	Personnel Oversight Strategies	3	None	SP only
PSM	4153	Technical Research & Design in Public Safety	3	None	FA only
PSM	4513	Advanced Occupational Proficiency in Public Safety	3	All Required Upper Division Courses	FA or SP
PSM	4523	Practicum	3	All Required Upper Division Courses	FA or SP

Total to Graduate 120

ADDITIONAL GRADUATION REQUIREMENTS:

- 2.0 Graduation/Retention GPA
- 30 credit hours earned in residence at OSU-OKC
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- 40 credit hours of upper division
- Grade of "C" or better required in all PSM courses
- Students must complete the prerequisite course with a grade of 'C' or better to advance to next course in the required sequence

NOTES LEGEND:

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- [R] Reading Proficiency/Placement
- [W] Writing Proficiency/Placement
- [M] Math Proficiency/Placement