



WSU Tech to WSU: Associate of Arts (AA) to Engineering Technology – Facilities Management, Bachelor of Science (BSET)

Foundation Courses	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
<i>Foundation courses must be completed with a C- or better within the first 48 hours of college coursework.</i>	ENGL 101 College English 1	ENG 101 Composition I	3			
	ENGL 102 College English 2	ENG 120 Composition II	3			
	COMM 111 Public Speaking	SPH 101 Public Speaking	3			
	MATH 111 College Algebra	MTH 112 College Algebra	3			<i>AA Requirement only. Students who place into Trig or Calc do not need College Algebra.</i>

WSU Gen Ed Curriculum	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
Divisional Requirements: Complete one course in each division.*	Fine Arts	ART, MUS, or THR	3			
	Humanities –PHIL 385 *	No Equivalent	3			
	Social/Behavioral Science – ECON 201 Principles of Macroeconomics	ECO 105 Principles of Macroeconomics	3			
	Math & Natural Science – MATH 242 Calc I	MTH 125 Calculus I	5			
Additional Requirements: Complete 4 courses chosen from at least 2 divisions above*	Division I – Calculus II	No Equivalent	5			
	Division II – ECON 202	ECO 110 Principles of Microeconomics	3			
	Any Division – BIOL 370 or GEOL 300	BIO 120 Environmental Biology or No Equivalent	3			
	Any Division – PHYS 313/315 Physics for Scientists I w/ Lab*	No Equivalent	5			

- ***At least 9 hours must be numbered 300 or above.**
- Students with an AA or AS earned through a Kansas Community College may fulfill requirements by completing two 300-level gen ed courses at WSU.

Engineering Technology – Facilities Management Major Coursework						
	WSU Course	WSU Tech Course	CR	Grade	Sem /YR	Notes
Mathematics & Natural Sciences	MATH 242 Calculus I	MTH 120 Calculus I	5			<i>P: College Trigonometry</i>
	MATH 243 Calculus II	No Equivalent	5			<i>P: Calculus I</i>
	PHS 313/316 Physics for Scientists I w/ Lab	No Equivalent	5			<i>P/C: Calculus II</i>
	CHEM 211 General Chemistry I	CHM 125 Chemistry I	5			
	GEOL 300 or BIOL 370	No Equivalent or BIO 120 Environmental Biology	3			
	WSUE 102A or ID 300	No Equivalent	3			

Major Coursework	BADM 162 Business Software Excel	CED 115	3			*See note
	ECON 201 Principles of Macroeconomics	ECO 105 Prin. of Macro	3			
	ECON 202 Principles of Microeconomics	ECO 110 Prin. Of Micro	3			
	ACCT 210 Financial Accounting	ACC 160 & ACC 170	3			P: MATH 111 & BADM 162
	ENGT 201 Introductory Design Project	No Equivalent	1			P: WSUE102A/ID300
	ENGT 210 Intro to Facilities Management	No Equivalent	3			
	ACCT 220 Managerial Accounting	ACC 130	3			ACCT 210
	IME 222/L Engineering Graphics w/ Lab	No Equivalent	3			P: College Trigonometry
	RE 310 Principles of Real Estate	No Equivalent	3			P: Junior Standing
	DS 350 Intro to Prod. & Oper. Mgmt.	No Equivalent	3			P: Advanced Standing
	ENGT 370 Environmental Eng Tech <i>Fall Only</i>	No Equivalent	3			P: ENGT 201 & CHEM 211
	PHIL 385 Engineering Ethics	No Equivalent	3			P: Junior Standing
	MGMT 360 Principles of Management	BUS 200	3			P: Junior Standing
	ENGT 301 Intermediate Design Project	No Equivalent	2			P: ENGT 201
	ENGR 220 App. Analog & Digital Electronics	No Equivalent	3			
	ENGT 312 Applied Statics <i>Spring Only</i>	No Equivalent	3			C: MATH 243 P: PHYS 213
	ENGT 354 Statistical Process Control <i>Spring Only</i>	No Equivalent	3			P: MATH 243
	ENGT 441 Analysis of Decision Processes <i>Spring Only</i>	No Equivalent	3			P: IME 225
	BLAW 431 Legal Environment of Business	No Equivalent	3			P: Advanced Standing
	ENGT 401 Senior Design Project I	No Equivalent	3			P: ENGT 201 or 301
	FIN 340 Financial Mgmt. I	No Equivalent	3			P: ACCT 210
	RE 420 Real Estate Property Mgmt	No Equivalent	3			P: Junior Standing
	ENGT 492 Energy Mgmt and Sustainability <i>Fall Only</i>	No Equivalent	3			P: ENGT 370 & IME 255
	ENGT 664 Engineering Project Mgmt. <i>Fall Only</i>	No Equivalent	3			P: IME 125 & ENGT 354
	ENGT 402 Senior Design Project II	No Equivalent	3			P: ENGT 401
	HRM 466 Fund. Of HR Mgmt	No Equivalent	3			P: Junior Standing
	MGMT 681 Strategic Management	No Equivalent	3			P: See catalog.
Technical Electives	Students must complete technical electives as selected with BSET advisor.		6			
Engineering+ <i>Students must select 3 of the 7 options listed here to meet Engineer of 2020 requirements</i> <i>Wichita.edu/engineering+</i>	Cooperative Education or Internship					
	Entrepreneurship and Innovation – University Innovation Fellow or complete an approved entrepreneurial competition					
	Global Learning or Study Abroad – Earn undergraduate certificate in Global Competency, participate in global learning project within a class at WSU, or complete a credit-bearing course in a foreign country where English is not the first language.					
	Multidisciplinary Education – Earn a minor, second major, or double degree or work on a two-semester project as part of a multidisciplinary team with student members outside of the College of Engineering.					
	Undergraduate Research – Compete in the university Undergraduate Research and Creative Activity Forum, submit your research for presentation at a conference, co-author of a journal or paper.					
	Leadership – Participate in a class or documented formal leadership training. Then, complete an activity where you successfully lead others to an established goal and submit a one-page summary/report to your department. Opportunities could also exist through the military, your place of employment or through student involvement. <i>Obtain preliminary approval of these activities from your department.</i>					
		Service Learning – Participate in a Service Learning course or complete a total of 40 hours of volunteer services.				

All courses with an ENGT prefix require that any prerequisite course is passed with a C- or better grade (1.700/4.000 grade point average).

*CED 115 SATISFIES BADM 161, 162, & 163. BADM 163 IS A REQUIRED COURSE. BADM 161 & 162 ARE SUGGESTED TECHNICAL ELECTIVES.

ASSOCIATE OF ARTS DEGREE REQUIREMENTS

Earn credit for **60** cumulative hours.

Based on the 2020-2021 Catalog

Earn a minimum of **15** hours at WSU.
 Earn a minimum of **48** hours in Liberal Arts and Sciences coursework.
 Complete all general education requirements.
 Maintain an overall, WSU and cumulative GPA of 2.00 or higher.

GRADUATION REQUIREMENTS FOR THE BS IN ENGINEERING TECHNOLOGY – FACILITIES MANAGEMENT:

Earn credit for **120** cumulative hours.
 Earn credit in a minimum of **60** hours at a 4-year institution.
 Earn credit in a minimum of **45** hours of upper-division coursework.
 Complete all general education requirements.
 Maintain an overall, WSU, and program GPA of 2.00 or higher.
 At least 24 of last 30 or 50 of last 60 credit hours must be completed at WSU.

WSU Tech Academic Advisor:

Shelby Smith
 Phone: 316.677.1727
 Email: ssmith42@wsutech.edu

BSET Advising

Maria Lucas
 Partnership 2 building, A100
 316-978-3513
 ETadvising@wichita.edu

WSU Returning Adult Specialist:

Jenna Randall
 Phone: 316.978.8406
 Email: jenna.randall@wichita.edu
 ShockerPathway@wichita.edu

ET Department

Wallace Hall, 300
 316-978-5910

Suggested Course Sequence for WSU Tech Coursework – For WSU Gen Ed Policy				
	WSU Tech Course	CR	Prerequisite	Notes
WSU Tech Semester 1	ENG 101 Composition I	3	Entrance Score	
	MTH 112 College Algebra	3	Entrance Score	<i>*See math requirement note below.</i>
	SPH 111 Public Speaking	3		
	ECO 105 Macroeconomics	3		
	Fine Arts	3		
WSU Tech Semester 2	MTH 113 College Trigonometry	3	Entrance Score or MTH 112	<i>*See math requirement note below.</i>
	ENG 120 Composition II	3	ENG 101	
	ECO 110 Microeconomics	3		
	CHM 125 Chemistry I	5	See WSU Tech advisor	
WSU Tech Semester 3	MTH 125 Calculus I	5	College Trigonometry	<i>*See math requirement note below.</i>
	CED 115 Computer Applications	3		
	BIO 120 Environmental Biology	3		
	BUS 200 Prin. of Management	3		
	ORI 003 Shocker Pathway Transition	0		
WSU Semester 4	WSUE 102A or ID 300	3		
	MATH 243 Calculus II	5		
	PHYS 313/315 Physics for Scientists I w/ lab	5		
	ENGT 210 or ENGT 370	3		

* Math placement based on entrance score. Take math course as determined by score and continue with math until math options at WSU Tech have been completed. Math sequence must be top priority for engineering majors. College Algebra and College Trigonometry not required if scores let students place out of those two courses.

Students following this plan will need to complete PHIL 385 or another humanities course to complete the AA.

Visit our Shocker Pathway website at: www.wichita.edu/academics/adult_learning/shocker_pathway.php