

Curriculum Guide for AAS to BS Engineering Technology (Technical Operations) at WCU

Freshman/First Year

1st Semester* Fall					2nd Semester Spring				
CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes	CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
ENG 111	ENGL 101	C1	3		ENG 112 or COM 231	ENGL 202/ COMM 201	C1	3	
MAT 171	MATH 130	C2	4	Pre-Requisite for MATH 146 if needed	MAT 172	MATH 146	C2	4	Required
Social Science Requirement	Social Science/History	P1/P3	3		Technical Core	ETO LOWER/ET 141		3	Varies by AAS technical program
Humanities Requirement	Humanities/Fine & Performing Arts	P4/P5	3		Technical Core	ETO LOWER/ET 231		3	Varies by AAS technical program
Technical Core	ETO LOWER/ET 132		3	Varies by AAS technical program	Technical Core	ETO LOWER/ET 232		3	Varies by AAS technical program
ACA 122	USI 130		1						
Total Credit Hours					Total Credit Hours				
17					16				

* This is only meant to be a guide. See your academic advisor to develop your individual plan. Liberal studies (General Education) requirements will be waived for students transferring to WCU with the AA or AS degree. A grade of C or above is required to obtain transfer credit at WCU.

Sophomore/Second Year

3rd Semester Fall					4th Semester Spring				
CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes	CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
Major Requirement	ET ELECTIVE Requirement		3	Varies by AAS technical program	PHY 131 or 151	PHYS 130	C5	4	Required
Major Requirement	ET ELECTIVE Requirement		3	Varies by AAS technical program	Concentration Requirement	ET ELECTIVE Requirement		3	Varies by AAS technical program
Major Requirement	ET ELECTIVE Requirement		4	Varies by AAS technical program	Concentration Requirement	ET ELECTIVE Requirement		3	Varies by AAS technical program
Major Requirement	ET ELECTIVE Requirement		4	Varies by AAS technical program	Concentration Requirement			4	*ETO program requires only 21 hours of ET Elective credits
Major Requirement	ET ELECTIVE Requirement		4	Varies by AAS technical program	Concentration Requirement			4	
Total Credit Hours					Total Credit Hours				
18					18				

* This is only meant to be a guide. See your academic advisor to develop your individual plan. AAS degrees typically require 69 to 74 credit hours to complete. A grade of C or above is required to obtain transfer credit at WCU.

Junior/Third Year (at WCU)

5th Semester Fall

6th Semester Spring

WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes
ENGL 202 or COMM 201	C1 Writing Critical Inquiry/ Foundations Communication	3	Varies depending on transfer credit	MATH 153	Calculus I	4	
HEAL 123	Health and Wellness	3		Perspective	P6 World Cultures	3	
CHEM 132	Survey of Chemistry I	4	Required	ET 331	Quality Systems	3	
MATH 170	Applied Statistics	3	Required	ET 310	Advanced 3D Modeling and Rapid Prototyping	3	
Perspective	P1 Social Science	3		ET 362	Engineering Logistics	3	
Total Credit Hours		16		Total Credit Hours		16	

Senior/Fourth Year

7th Semester Fall

8th Semester Spring

WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes
ET 349	Rapid Tooling and Prototyping	3		ET 425	Metrology and Reverse Engineering	3	
ET 332	Strengths of Materials	3		ET 472	Integrated Control Systems	3	
ET 436	Engineering Economic Analysis	3		ET 441	Power Transmission Systems	3	
ECET 301	Electrical Systems	3		ET 478	Integrated Systems Project	3	
Total Credit Hours		12		Total Credit Hours		12	

Total Credit Hours 125

Reminder: 30 hours of 300-400 level courses must be taken at WCU.

[More information on B.S. Engineering Technology Technical Operations](#)