

Curriculum Guide for AS to BS Engineering Technology 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	ENGL 202	C1	3	
MAT 171	MATH 130	C2	4	Required	COM 231	COMM 201	C3	3	Preferred
History	History	P3	3	Preferred	MAT 172	MATH 146		4	
Humanities/Fine Arts	Humanities	P4	3		Social/Behavioral Sciences	Social Sciences	P1	3	
CHM 151	CHEM 139	C5	4	Required	CHM 152	CHEM 140		4	
ACA 122	USI 130		1						
Total Credit Hours					Total Credit Hours				
18					16				

*This assumes placement into college level courses. This is only meant to be a guide. Please see your academic advisor to develop your individual plan.

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
EGR 150 /Other Elective	ENGR 199		3	Required	PHY 151/251/UGETC Elective	PHYS 130/230	C5	4	Required
Social/Behavioral Sciences	Social Sciences	P1	3		DFT 170/Other Elective	ENGR 132		3	Required
Social Science (Global Perspective)	World Cultures	P6	3		Humanities/Fine Arts	Fine & Performing Arts	P5	3	
MAT 271	MATH 153		4	Required	MAT 152	MATH 170		4	Required
Total Credit Hours					Total Credit Hours				
13					14				

Suggested Course Sequence to transfer from NCCCS
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
ET 141	Engineering Materials and Processes	3		ET 232	Engineering Statics	3	
ENGR 200	Engineering Practice and Principles II	3		ENGR 350	Engineering Practice and Principles III	3	
ENGR 231	3-D Solid Modeling	3		ET 351	Engineering Analysis Modeling and Rapid Prototyping	3	
ECET 301	Electrical Systems	3		ET 310	Thermodynamics and Heat Transfer	3	
ET 331	Quality Systems	3					
ET 436	Engineering Economics Analysis	3					
Total Credit Hours		18		Total Credit Hours		15	

ENGL 402	Technical Writing	3	Summer
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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		ENGR 450	Engineering Capstone II	3	
ET 332	Strengths of Materials	3		ET 425	Metrology and Reverse Engineering	3	
ET 333	Strengths of Materials Lab	1		ET 334	Lean/Six Sigma	3	
ENGR 400	Engineering Capstone I	3		ET 472	Integrated Control Systems	3	
ET 420	Advanced Engineering	3					
ET 441	Power Transmission Systems	3					
Total Credit Hours		16		Total Credit Hours		12	

Total Credit Hours 133

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

<http://www.wcu.edu/academics/departments-schools-colleges/Kimmel/academic-programs-degrees-offered/engtech/ecet/index.asp>

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UGETC=purple shading

Gen. Ed.=beige shading

Other required hours=blue shading