



## Degree Progress Guide / Energy Engineering

Suggested Semester	Course Code	Semester Completed
1 <sup>st</sup> semester	SCI 101	
	CIV 101	
	MTH 133	
	CSC 101	
	ENG 101	
2 <sup>nd</sup> semester	ENG 102	
	CIV 102	
	SCI 102	
3 <sup>rd</sup> semester	CIV 203	
4 <sup>th</sup> semester	CIV 204	
5 <sup>th</sup> semester	Core Option : Humanities, Social Science, or Math and Science	
6 <sup>th</sup> semester	ENG 213	
<b>TOTAL/</b>		<b>37 Credits</b>

Semester	Course Code	Credits	Semester Completed
2 <sup>nd</sup>	(MTH 232) Calculus I	4	
	(ENGR 230) Engineering Drawing	3	
3 <sup>rd</sup>	(CHEM 232) Chemistry I	4	
	(MTH 233) Calculus II	4	
	(PHYS 232) Calculus Based Physics I	4	
	(ENGR 244) Engineering Computing	3	
4 <sup>th</sup>	(CHEM 233) Chemistry II	4	
	(MTH 331) Calculus III	4	
	(PHYS 233) Calculus Based Physics II	4	
	(ENGR 344) Mechanics I	3	
5 <sup>th</sup>	(MTH 332) Differential Equations and Linear Algebra	4	
	(ENGR 358) Mechanics of Materials	3	
	(ENGR 352) Thermodynamics	3	
	(ENGR 348) Mechanics II	4	
6 <sup>th</sup>	(ENGR 356) Fluids	4	
	(ENGR 313) Measurements Laboratory	2	
	(ENGR 390) Circuits	4	
	(ENGR 354) Materials Science	3	
	ENGR Elective or Track	3	
7 <sup>th</sup>	(ENGR 442) Engineering Statistics	3	
	(ENGR 444) Engineering Economics	3	
	Technical Elective or TRACK	3	
	(ENGR 491) Design I	3	
	ENGR Elective or Track	3	
	ENGR Elective or Track	3	
8 <sup>th</sup>	(ENGR 484) Engineering Laboratory	4	
	(ENGR 492) Design II	2	
	Technical Elective or Track	3	
	ENGR Elective or Track	3	
	ENGR Elective or Track	3	
<b>TOTAL/</b>		<b>100 Credits</b>	

### Energy Engineering Courses:

- 1) Transport Phenomena
- 2) Introduction to Petroleum Engineering
- 3) Petroleum Production Engineering
- 4) Renewable Energy
- 5) Reservoir
- 6) Drilling

Engineering Electives are 300+ Engineering courses.

Technical Electives are 300+ Engineering, Math, Science, IT or Business courses.