

PCC MECHANICAL ENGINEERING ADVISING GUIDE Fall 2005

Term	Course #	Course Title	OSU	PSU	UP
1	ENGR 101	Engr Fundamentals	4	4	4
	MTH 251	Calculus I	4	4	4
	CH 221	Chemistry	5	5	5
	WR 121	English Comp (1)	3	3	3
	HPE 295	Health & Fitness (1)	3		
		General Education (1)		3	3
			19	19	19
2	ENGR 102	Engr Graphics	3	3	3
	MTH 252	Calculus II	5	5	5
	CH 222	Chemistry	5	5	5
	PHY 211	Physics (2)	5	5	5
	WR 122	English Composition			3
		General Education (1)	3		
		21	18	21	
3	ENGR 114	Engr Programming	4		
	MTH 253	Calculus III	5	5	5
	CH 223	Chemistry		5	
	PHY 213	Physics (2)	5	5	5
	SP	Speech (1)	3	3	
		General Education (1)	3		6
		20	18	16	
4	ENGR 211	Statics	4	4	4
	MTH 256	Differential Equations	5	5	5
	PHY 212	Physics (2)	5	5	5
		General Education (1)	3	3	3
			17	17	17
5	ENGR 212	Dynamics	4	4	4
	ENGR 221	Electrical Circuits I	5	5	5
	ENGR 262	Manufac'g Processes		4	
	MTH 254	Vector Calculus I	5	5	5
		General Education (1)	3		3
		17	18	17	
6	ENGR 213	Strength of Materials	4	4	4
	ENGR 222	Electrical Circuits II			5
	ENGR 231	Material Science		4	4
	MTH 261	Linear Algebra	5		5
		Biological Science (1)	4		
		General Education	6	9	
		19	17	18	
				10	
	Total Credits Shown	113	107	8	
	Transfer Maximum	124	124	4	

(4)

(3)

(3)

This is a transfer guide, not a graduation guide. If you are interested in obtaining a degree, see the PCC catalog for degree requirements. It is recommended, however, that students prepare for transfer rather than seek a degree.

These guides are based on PCC's understanding of University requirements, but PCC makes no warranties of the accuracy of this information. Students must check with the University and Department to which they intend to transfer to obtain official information.

1. See General Education Advising Guide for Engineering Students.

Your selection of General Education courses will affect the number of credits you earn.

Writing: WR 115 must be taken prior to or concurrently with ENGR 101.
OSU: Required--WR 227.
PSU: Recommended--WR 122 or 214, followed by WR 227.
UP: Required--WR 122.

Speech: OSU: Required--SP 111 or 112.
PSU: Required. SP 111 is recommended, but SP 100 is accepted.
UP: No Speech required.

Additional general education courses may be required. See an engineering advisor.

Many PCC courses are equivalent to OSU courses, but are offered for more credit hours at PCC than at OSU.

2. Starting Physics in the second term is recommended in order for students to meet the prerequisites of fourth term engineering courses in fall term. Physics 212 is shown in term 4, but is usually not offered fall term. It is recommended that students consider finishing the physics sequence (taking PHY 212) during summer term prior to the second year; if this is not possible, students may have to wait until term 5 to finish the physics sequence.
3. ENGR 221 and 222, together, satisfy UP's electrical circuits requirement, but students are advised that this is a poor tradeoff in PCC/UP credits.
4. For those going to UP, ENGR 114 is recommended, but not required.