

**PCC ADVISING GUIDE Fall
2005**

**CHEMICAL ENGINEERING
CONSTRUCTION ENGINEERING MANAGEMENT
ENVIRONMENTAL ENGINEERING
INDUSTRIAL & MANUFACTURING ENGINEERING
MANUFACTURING ENGINEERING (WSU-V)**

Term	Course Number	Course Name	OSU CHE	OSU CEM	OSU ENV	OSU IME	WSU-V MfgE
1	ENGR 101	Engr Fundamentals	4	4	4	4	4
	MTH 251	Calculus I	4	4	4	4	4
	CH 221	Chemistry	5	5	5	5	5
	WR 121	English Comp (1)	3	3	3	3	3
	HPE 295	Health & Fitness (1)	3	3	3	3	3
		General Education (1)	-	-	-	-	<u>3</u>
		19	19	19	19	19	
2	ENGR 102	Engr Graphics		3	3	3	3
	MTH 252	Calculus II	5	5	5	5	5
	CH 222	Chemistry	5		5	5	5
	PHY 211	Physics (2)	5	5	(3))	5	5
	SP 111	Speech (1)	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	-
			18	16	21	21	18
3	ENGR 114	Engr Programming	4	4	4	4	4
	MTH 253	Calculus III	5	5	(5))	5	5
	CH 223	Chemistry	5		5		5
	PHY 213	Physics (2)	(4))	5	(3))	(4))	5
		General Education (1)	<u>6</u>	<u>3</u>	<u>6</u>	<u>3</u>	-
			20	17	20	17	19
4	ENGR 211	Statics	4	4	4	4	4
	ENGR 226	Plane Surveying		4			
	MTH 256	Differential Equations	5		5	5	5
	PHY 212	Physics (2)	5	5	(3))	5	5
	CH 241	Organic Chemistry	5		5		
	BA 211	Accounting I		3			
		Biological Science (1)				4	4
	General Education (1)	<u>3</u>	<u>3</u>	-	<u>3</u>	-	
		22	19	19	21	18	
5	ENGR 212	Dynamics	4		4	4	4
	ENGR 221	Electrical Circuits I	5		5	5	
	MTH 254	Vector Calculus I	5		5	5	5
	CH 242	Organic Chemistry	5				

	BA 212	Accounting II		3				
		General Education (1)	<u>3</u>	<u>12</u>	<u>6</u>	<u>3</u>	<u>9</u>	
			22	15	20	17	18	
	ENGR							
6	213	Strength of Materials		4	4	4	4	
	MTH 261	Linear Algebra	5		5	5	5	
	CH 243	Organic Chemistry	5					
	BI 234	Microbiology (Bio Sci)			5			
	BA 213	Accounting III		3				
	BA 226	Business Law		3				
		Biological Science (1)	4	4				
		General Education (1)	<u>6</u>	<u>3</u>	<u>6</u>	<u>9</u>	<u>6</u>	
			20	17	20	18	15	
		Total Credits Shown	121	103	119	113	107	
		Transfer Maximum	124	124	124	124	110	

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Effective: Fall 2005

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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. WSUV limits the number of community college credits that can be transferred to 90, but you may petition to transfer 20 more credits.

Writing: WR 115, must be taken prior to or concurrently with ENGR 101
Required--WR 227 (Recommended for WSU-V)

Speech: Required--SP 111 or 112

OSU bound CEM students should take EC 201 and EC 202, both of which count for General Education. WSU-V bound MfgE students should take EC 202.

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. Construction Engineering Management students may take PHY 201, 202, 203 (4 credits each) instead of PHY 211, 212, 213 (5 credits each).
4. PHY 213 is not required for Chemical and Environmental students at OSU, but it is a recommended prerequisite for GE 221, Electrical Circuits I, at PCC.
5. MTH 253 is not required for Construction Engineering Management but it is a prerequisite for ENGR 211 at PCC.