

## Mechanical Engineering 4-Year Plan

Year 1 – UW-Parkside pre-Mechanical Engineering					
<i>Fall Semester</i>			<i>Spring Semester</i>		
MATH 221	Calc. & Analytic Geometry I	5	MATH 222	Calc. & Analytic Geometry II	5
PHYS 201	Physics I	5	PHYS 202	Physics II	5
CHEM 101	General Chemistry I	5	PHYS 241		3
			Civ Eng 201-UWM (or equivalent)	Statics	3
		<b>15</b>			<b>16</b>
<i>Winterim Semester</i>			<i>Summer semester</i>		
Gen Ed	ART or HUM or SOC	3	Gen Ed	ART or HUM or SOC	3
Foreign Lang*		4	Foreign Lang*		3
		<b>7</b>			<b>6</b>
Year 2 – UW-Parkside pre-Mechanical Engineering					
<i>Fall Semester</i>			<i>Spring Semester</i>		
MATH 223	Calc. & Analytic Geometry III	5	PHYS 303 or MATH 368		3
MATH 317	Diff Equations & Applications	4	PHYS 403	Thermo & Statistical Physics	4
Civ Eng 202- UWM (or equivalent)	Dynamics	3	CHEM 102	General Chemistry II	5
Gen Ed	ART or HUM or SOC	3	Elec Eng 301- UWM (or equivalent)	Electrical Circuits I	3
		<b>15</b>			<b>15</b>
<i>Winterim Semester</i>			<i>Summer Semester</i>		
ENGL	English Competency Req.	3	Gen Ed	SOC	3
			ENGL	English Competency Requirement	3
		<b>3</b>			<b>6</b>

\*If required, refer to UWM foreign language requirement. Note: Students should utilize TIS to determine general education courses that transfer to UWM and meet UWM general education requirements.

Year 3 – UWM Mechanical Engineering					
<i>Fall Semester</i>			<i>Spring Semester</i>		
MechEng 110	Engineering Fundamentals I	4	MechEng 111	Engineering Fundamentals II	4
Civ Eng 303	Strength of Materials	4	MechEng 320	Intro to Fluid Mechanics	3
MatlEng 201	Engineering Materials	4	MatlEng 330	Materials & Processes in Manuf	3
MechEng 321	Basic Heat Transfer	4	Ind Eng 467	Intro Statistics/Phy Sci & Engr	3
EAS 200	Professional Seminar	1	MechEng 474	Intro to Control Systems	4
		<b>17</b>			<b>17</b>
Year 4 – UWM Mechanical Engineering					
<i>Fall Semester</i>			<i>Spring Semester</i>		
MechEng 323	Fluid Mechanics Laboratory	1	MechEng 438	Mech Eng Experimentation	3
MechEng 360	Mechanical Design I	3	MechEng 479	Mechatronics	3
MechEng 366	Design of Machine Elements	4	MechEng 496	Senior Design	3
MechEng 370	Comp Aided Engineer Lab	2	MechEng XXX	Technical Electives	8
MechEng XXX	Technical Elective	3			
Commun XXX	Part B Oral & Written	3			
		<b>16</b>			<b>17</b>