



## Sample Course Plan

### Associate of Science to Bachelor of Science in Mechanical Engineering

This is a sample plan to guide you through the transfer pathway between Nicolet College and the University of Wisconsin-Platteville. Upon completion, you will have earned an Associate of Science degree from Nicolet College and a Bachelor of Science in Mechanical Engineering from UW-Platteville. This is a sample plan and there are alternative paths to earning your degrees. Course offerings and rotations are subject to change. Please work with your advisor(s) to determine the best path forward for you.

NC=Nicolet College; UWP=UW-Platteville

Year One							
Semester One			Semester Two				
NC	20-801-219	English Composition I	3	NC	20-801-223	English Composition II	3
NC	20-806-245	College Chemistry I	5	NC	20-806-249	College Chemistry II	5
NC	20-890-101	Fdns of Uni Learning	1	NC		Diversity and Ethnic Studies	3
NC	20-810-201	Speech	3	NC		Humanities Requirement	3
NC		Health/Wellness Requirement	1				
<i>Total Credits</i>				<i>13</i>			
				<i>Total Credits</i>			
				<i>14</i>			

Year Two							
Semester One			Semester Two				
NC	20-804-236	Calculus & Analytic Geometry I	5	NC	20-804-240	Calculus & Analytic Geometry II	5
NC	20-806-286	College Physics I - Calc Based	5	NC	20-806-287	College Physics II - Calc Based	5
NC		World Language or Elective	4	NC		Social Sciences Requirement	3
				UWP	GENENG 1030	Intro. To Engineering Projects	1
<i>Total Credits</i>				<i>14</i>			
				<i>Total Credits</i>			
				<i>14</i>			

Year Three							
Semester One			Semester Two				
NC	20-804-241	Calculus & Analytic Geometry III	5	UWP	MECHENG 3040	Engineering Materials	3
UWP	GENENG 2030	Model and Design	3	UWP	MATH 3630	Differential Equations	3
UWP	GENENG 2130	Statics	3	UWP	GENENG 2230	Dynamics	3
UWP	MECHENG 2630	Thermodynamics	3	UWP	GENENG 2340	Mechanics of Materials	4
<i>Total Credits</i>				<i>14</i>			
				<i>Total Credits</i>			
				<i>13</i>			

Year Four							
Semester One			Semester Two				
NC		Humanities Requirement	3	UWP	MECHENG 3030	Mechanical Vibrations	3
UWP	MECHENG 3300	Fluid Dynamics	3	UWP	MATH 4030	Statistical Methods	3
UWP	GENENG 2930	Applications of Elec. Engineering	3	UWP	MECHENG 3640	Heat Transfer	3
UWP	MECHENG 3230	Manufacturing Processes	3	UWP	MECHENG 3330	Design of Machine Elements	3
UWP	MECHENG 3430	Computer Methods	3	UWP	GENENG 2820	Engineering Economy	2
<i>Total Credits</i>				<i>15</i>			
				<i>Total Credits</i>			
				<i>14</i>			

Year Five							
Semester One			Semester Two				
UWP	MECHENG 3830	Mechanics and Machines	3	UWP	MECHENG 4330	Automatic Controls	3
UWP	MECHENG 4730	Thermal Systems Design	3	UWP	MECHENG 4720	Thermal Systems Lab	2
UWP	MECHENG 3720	Measurements and Instrumentation Lab	3	UWP		Technical Elective	3
UWP		High Impact Practice or Tech Elective	3	UWP		Technical Elective	3
				UWP	MECHENG 4930	Senior Design	3
<i>Total Credits</i>				<i>12</i>			
				<i>Total Credits</i>			
				<i>14</i>			