COMPUTER ENGINEERING MAJOR, B.S.

Course	Title	Credits
General Requirements		
General Education (http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/)		
Mathematics Courses [1]		
MATH 2640	Calculus and Analytic Geometry I	4
MATH 2730	Discrete Mathematics	3
MATH 2740	Calculus and Analytic Geometry II	4
MATH 2840	Calculus and Analytic Geometry III	4
MATH 3630	Differential Equations I	3
Basic Sciences Courses [1]		
CHEMSTRY 1140	General Chemistry I	4
PHYSICS 2240	General Physics I	4
PHYSICS 2340	General Physics II	4
Computer Science Courses [1]		
COMPUTER 1430	Introduction to Computer Programming	3
COMPUTER 2430	Object-Oriented Programming	3
COMPUTER 2630	Data Structures	3
COMPUTER 3230	Operating Systems	3
COMPUTER 3830	Data Communications and Computer Networks	3
Computer Engineering Courses [1]		
COMPENG 1020	Computer Engineering Projects & Tools	1
or ELECTENG 1020	Electrical Engineering Projects and Tools	
COMPENG 2220	Circuit Modeling II	2-4
or ELECTENG 2210	Circuit Modeling II	
COMPENG 2780	Logic and Digital Design	4
COMPENG 3010	Advanced Computer Networks	4
COMPENG 3780	Computer Architecture	4
COMPENG 4320	Digital Signal Processing	4
COMPENG 4720	Computer Organization and Design	4
COMPENG 4930	Senior Design	3
Electrical Engineering Courses [1]		
ELECTENG 1210	Circuit Modeling I	3
ELECTENG 3210	Engineering Computation	3
ELECTENG 3220	Signals and Systems	4
Other courses		**14**
INDSTENG 3730	Engineering Management	3
Total Credits		**98-100**

Technical Electives - Minimum of 14 credits from the list[1]

Course	Title	Credits
COMPENG 3510	Computer Networks Applications	4
COMPENG 4020	Applications of Deep Learning in Computer Vision	4
COMPUTER 4030	Machine Learning	3
COMPENG 4750	Advanced Digital Design	4

[1] All courses require a 'C-' or better.