

Student's Name \_\_\_\_\_ U Number: \_\_\_\_\_.

**General Education**

<i>Area</i>	<i>CH</i>	<i>WAC</i>	<i>Qtr</i>	<i>Title</i>	<i>Offered</i>
I	4	WI		ENG101 <sup>a</sup>	F,W,S,R
I	4	WI		ENG102	F,W,S,R
II	4			History: CLS150, HST101, HST102, HST103	
II	4	WI		Nonwestern: CSE250, CST221, CST231, CST232, CST241, CST242, CST243, CST251, HLT202, RSE260, RST261, RST262, RST271, RST281, RST291, URS200	
III <sup>b</sup>	4	(WI)		EC200, EC290, PLS200, PSY105, SOC200 (WI), WMS200 (WI)	
	4			(same as above)	
IV <sup>c</sup>	4	(WI)		Great Books (WI): CLS204, ENG204, PHL204, REL204 Arts: ART214, MP131, MUS214 <sup>d</sup> , MUS290 (WI), TH214	
II,III,IV	4			Additional course <sup>e</sup> (see GE catalog)	
II,III,IV	4			Additional course <sup>e</sup> (see GE catalog)	
VI	4	WI		EH205, PSY110, SM205	
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a) Grade C or better.

b) Honors course UH202 for any one Area III course.

c) Area substitution: Honors course UH201 (WI) for Area IV.

d) Substitution: MUS121 and 122.

e) 2 additional courses from Areas II, III, and IV – 1 course each from 2 of the 3 areas. Except for Area II, the course selected must come from a different subcategory than the course(s) chosen to meet that area requirement.

**Related Course Requirements**

<i>Course</i>	<i>CH</i>	<i>Prereq</i>	<i>Title</i>	<i>Offered</i>
MTH229	5		Calculus I	F,W,S,R
MTH230	5		Calculus II	F,W,S,R
MTH231	5		Calculus III	F,W,S,R
MTH232	5		Calculus IV	F,W,S,R
MTH233	5		Differential Equations	F,W,S,R
MTH253	3		Elementary Matrix Algebra	F,W,S
MTH332	3		Complex Variables	F,S
MTH333	3		Partial Differential Equations	W
CHM121/125	5		General Chemistry 1	F,W,R
CHM122/126	5		General Chemistry 2	W,S,R
CHM123/127	5		General Chemistry 3	F,S,R
EGR153 <sup>a</sup>	4		FORTTRAN Programming	F,W,S,R
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a) Or equivalent.

### Departmental Core Requirements

<i>Course</i>	<i>CH</i>	<i>WAC</i>	<i>Prereq</i>	<i>Title</i>	<i>Offered</i>
PHY240/200	5		MTH229 or EGR101	General Physics I	F,S
PHY242/202	5		MTH230, PHY240	General Physics II	W,F
PHY244/204	6	WI	MTH230, PHY240	General Physics III	S,W
PHY260	4	WI	MTH230, PHY244	Modern Physics	F
PHY315	3			Physics Instrumentation I	W
PHY316	3		PHY315	Physics Instrumentation II	S
PHY322	3		MTH253, PHY244	Applied Optics	W
PHY371	3	WI	MTH233, PHY244	Analytical Mechanics	W
PHY372	4		PHY371	Analytical Mechanics	S
PHY420	3		MH231, PHY244	Thermodynamics	F
PHY450	3		MTH 232, 233 or 235, PHY 242	Electricity & Magnetism	F
PHY451	3		PHY450	Electricity & Magnetism	W
PHY452	3		PHY451	Electricity & Magnetism	S
PHY460	4		MTH333, PHY260, PHY372	Quantum Mechanics	F
PHY461	4		MTH233 or 235, PHY260	Solid State Physics	W
PHY462	4		PHY460	Nuclear Physics	S
PHY494	3	WI		Senior Projects	F,W,S,R
PHY494	3	WI		Senior Projects	F,W,S,R
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### Electives<sup>a</sup>

<i>Course</i>	<i>CH</i>	<i>WAC</i>	<i>Prereq<sup>b</sup></i>	<i>Title</i>	<i>Offered</i>
PHY421	3			Statistical Thermodynamics	
PHY432	3		PHY260	Lasers	S
PHY440	4		PHY244	Nanoscience and Nanotechnology	F
PHY470	1-4			Selected Topics	FWSR
EP470	4		PHY315	Introduction to Sensors	S
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a) The courses listed are suggestions. Currently there are no restrictions.

b) Most of these courses have an upper-level standing recommendation. Please check with the instructor.