

IMSE Undergraduate Curriculum Requirements

Student Name _____ Student # _____ Date _____

MATHEMATICS (16)

	Semester	Grade
Math 1500 (80)	5	_____
Math 1700 (175)	5	_____
Math 2300 (201)	3	_____
Math 4100 (304)	3	_____

BASIC SCIENCES (12-13)

	Semester	Grade
Chem 1310 (31)	2	_____
Or Chem 1320 (32)	3	_____
Phys 2750 (175)	5	_____
Phys 2760 (176)	5	_____

ENGINEERING (14)

	Semester	Grade
CS 1040 (102)	3	_____
or CS 1050 (103)		_____
Engr 1100 (30)	2	_____
Engr 1200 (85)	3	_____
Engr 2100 (124)	3	_____
Engr 2300 (99)	3	_____

ENGINEERING ELECTIVE (3)

Chose from the following	Semester	Grade
Bio Engr 2180 (210)	3	_____
CS 2210 (126)	3	_____
CS 2050 (203)	3	_____
CE 3400 (235)	3	_____
CE 3700 (251)	3	_____
Engr 2200 (195)	3	_____
MAE 2600 (215)	3	_____

HUMANITIES/FINE ARTS (9)

Courses Taken	Hrs	Semester	Grade

SOCIAL/BEHAVIORAL SCIENCES (9)

Courses Taken	Hrs	Semester	Grade
Econ	3		
Hist OR PolSci	3		

TECHNICAL ELECTIVES (6)

Courses Taken	Hrs	Semester	Grade

ENGLISH (3)

	Semester	Grade
English 1000 (20)	3	_____

INDUSTRIAL & MFG SYSTEM ENGINEERING (47)

	Semester	Grade
IMSE 1087 (10)	0	_____
IMSE 2030 (202)	3	_____
IMSE 2110 (240)	3	_____
IMSE 2210 (207)	3	_____
IMSE 2710 (258)	3	_____
IMSE 3280 (388)	3	_____
IMSE 3410 (383)	3	_____
IMSE 3810 (361)	3	_____
IMSE 4110 (340)	3	_____
IMSE 4210 (387)	3	_____
IMSE 4230 (397)	3	_____
IMSE 4310 (386)	3	_____
IMSE 4350 (398)	3	_____
IMSE 4550 (372)	4	_____
IMSE 4610 (349)	3	_____
IMSE 4970 (380)	1	_____
IMSE 4980 (381)	3	_____

IMSE ELECTIVES (6)

Choose from the following	Semester	Grade
IMSE 1010 (17)/Engr 1000 (17)	1	_____
IMSE 2010 (117)/Engr 2000 (117)	1	_____
IMSE 3030 (330)	3	_____
IMSE 3510 (385)	3	_____
IMSE 4085 (300)	1-3	_____
IMSE 4330 (351)	3	_____
IMSE 4410 (393)	3	_____
IMSE 4570 (384)	3	_____
IMSE 4750 (331)	3	_____
IMSE 4760 (332)	3	_____
IMSE 4770 (333)	3	_____

OTHER COURSES

CURRICULUM SCHEDULE

<u>FALL I</u>		
Math 1500	Analytical Geometry & Calculus	5
ENGR 1100	Engineering Graphics	2
IMSE 1087	Undergraduate Seminar	0
	Humanities/Soc Science Elective*	3
	Constitutional Requirement*	3
TOTAL HOURS		13

<u>FALL III</u>		
	Engr Science Elective	3
IMSE 1087	Undergraduate Seminar	0
IMSE 4110	Evaluation of Engineering Data	3
IMSE 4210	Linear Programming	3
IMSE 4230	Operations Research Models	3
	IMSE Elective	3
TOTAL HOURS		15

<u>WINTER 1</u>		
Math 1700	Calculus II	5
CHEM 1310	General Chemistry	2-3
o4 1320		
CS 1040 or 1050	Visual Basic Programming	3
ENGL 1000	Exposition and Argumentation	3
IMSE 1087	Undergraduate Seminar	0
IMSE 2030	Fund. of System Design & Analysis	3
TOTAL HOURS		16-17

<u>WINTER III</u>		
ENGR 2100	Circuit Theory	3
IMSE 1087	Undergraduate Seminar	0
IMSE 4610	Engineering Quality Control	3
IMSE 4310	Int. Production Systems Design	3
IMSE 4350	Scheduling Systems	3
	Humanities/Social Science Elective*	3
TOTAL HOURS		15

<u>FALL II</u>		
MATH 2300	Calculus III	3
PHY 2750	University Physics I	5
IMSE 1087	Undergraduate Seminar	0
IMSE 2110	Prob & Statistics for Engineers	3
IMSE 2710	Engr Economic Analysis	3
	Economics Requirement*	3
TOTAL HOURS		17

<u>FALL IV</u>		
IMSE 1087	Undergraduate Seminar	0
IMSE 3810	Ergonomics & Workstation Design	3
IMSE 4550	Computer Aided Design & Mfg	4
IMSE 4970	Capstone Design I	1
IMSE 3410	Mgmt Information Systems Design	3
	IMSE Elective	3
	Humanities/Soc Science Elective*	3
TOTAL HOURS		17

<u>WINTER II</u>		
MATH 4100	Differential Equations	3
PHY 2760	University Physics II	5
ENGR 1200	Statics & Elem Strength of Mtls	3
IMSE 1087	Undergraduate Seminar	0
IMSE 2210	Operations Research Methods	3
IMSE 3280	Industrial Systems Simulation	3
TOTAL HOURS		17

<u>WINTER IV</u>		
ENGR 2300	Engr Thermodynamics	3
IMSE 1087	Undergraduate Seminar	0
IMSE 4980	Capstone Design II	3
	IMSE Elective	3
	Technical Elective	3
	Humanities/Soc Science Elective*	3
TOTAL HOURS		15