MANUFACTURING ENGINEERING PROGRAM CHART

BACKGROUND

4 Units

MATHEMATICS	**SCIENCE
*MA 1021	CH 1010
*MA 1022	CH 1020
*MA 1023	PH 1110
*MA 1024	PH 1120
*MA 2051	PH 1130
MA 2071	PH 1140
MA 2611	BB 1001
MA 2612	BB 1002
MA 2621	
MA 3831	
MA 3832	
MA 4631	

* Mathematics requirements include differential and integral calculus and ordinary differential equations. Additional work is strongly encouraged in one or more of the subjects of probability and statistics, linear algebra, and numerical analysis.
** Science requirements include chemistry and physics with at least a two course sequence in either.

2/3 Units

SOCIAL SCIENCE
see page 175

2 Units

H&A SUFFICIENCY
see page 53

1 Unit

INTERACTIVE QUALIFYING PROJECT (IQP)
see page 39

1 Unit

FREE ELECTIVE
Refer to catalog

1/3 Unit

PHYSICAL EDUCATION
see page 168

6 Units (Divided approximately 2:1 between Engineering Science: Design)

MANUFACTURING ENGINEERING

One unit per area required

Electives

1 Unit MATERIALS & PROCESSES	1 Unit PRODUCT ENGINEERING AND TOOL DESIGN	1 Unit COMPUTER CONTROL & MANUFACTURING SYSTEMS	1 Unit PRODUCTION SYSTEMS ENGINEERING
ES 2001	ES 2501	ECE 3601	OIE 2850
ME 1800	ES 2502	ES 3011	OIE 3400
ME 2820	ES 2503	ME 3820	OIE 3401
ME 4821	ME 3320	ME 4815	OIE 3420
ME 3023	ES 1310	ECE 2011	OIE 2500
ME 3811	ES 3323	CS 2301	OIE 3405
ME 4813	ME 3310	CS 3013	OIE 3450
ME/BME 4814	ME 3311	CS 3431	OIE 3460
ME 4816	ME 3321	CS 4032	OIE 3501
ME 4822	ME 4320	CS 4033	OIE 4460
MFE 520	MFE 540	MFE 510	
		MFE 530	

1 Unit Emphasizing Design

MAJOR QUALIFYING PROJECT (MQP)