

Student: _____ Student

Number: _____

All first year students and students transferring with less than 24 earned hours must take STU 101, First Year Experience in their first semester. Pass/Fail _____

University Requirements: 42 hrs.

I. Written Composition, 6 hrs.

	H/A	H/E	Grade	QP
EH 101				
EH 102				

II. Humanities/Fine Arts, 12 hrs

Must take EH 141 Oral Communication

Select one: (3 hrs) ART 202, DR 242 or MU 233

Select two: (6 hrs)

EH 201, 202, 203, 204, 219, 220, 231, 232

EH 141				

III. Natural Sciences and Mathematics, 12 hrs

Must take MS 125 (4hr).

Must have a grade of C or better in Math classes.

Select one sequence: (8 hrs)

CY 105, 106, 107, 108 or PHS 201, 202, 203, 204

IV. History, Social, and Behavioral Sciences, 12 hrs.

Select two: (6 hrs) EC 222 is recommended, AN 224, GY 120, PSC 100, PSY 201, SY 221

Select two history: (6 hrs) HY 101, 102 or HY 201, 202

TOTALS				

Major Requirements: 67 hrs.

Core, 24 hrs

	H/A	H/E	Grade	QP
EH 322 or CBA 350				
AE 201				
AE 210				
AE 343				
AE 344				
AE 370				
AE 371				
AE 380				

AME Major, 19 hrs + concentration of 24 hrs

AE 211				
AE 351				
AE 361				
AE 366				
AE 440				
AE 493				
AE 494				

Choose a concentration in Design & Automation or in Manufacturing Management. See the back page.

DEGREE SUMMARY:

University Requirements	42 hours
Major Requirements	67 hours
Core 24	
AME 19	
Concentration 24	
General Electives	<u>19 hours</u>
Total	128 hours

Design & Automation, 24 hours

	H/A	H/E	GR	QP
EG 255				
AE 252				
AE 355				
AE 365				
AE 416				
AE 451				
AE 460				
D & A Elective				
TOTALS				

OR

Manufacturing Management, 24 hours

	H/A	H/E	GR	QP
AE 307				
AE 330				
AE 341				
AE 342				
AE 441				
AE 442				
AE 484				
AE 485				
TOTALS				

General Electives, 19 hours

	H/A	H/E	GR	QP
TOTALS				

Major course descriptions:

EG 255 Engineering Computation	(3)
EH 322 Technical Writing or CBA 350 Business Communications	(3)
AE 201 Microcomputers	(3)
AE 210 Machining/Manufacturing Processes	(3)
AE 211 AC/DC Circuits	(3)
AE 252 Programmable Controllers	(3)
AE 307 Industrial Training	(3)
AE 330 Production & Inventory Control	(3)
AE 341 Motion & Time Study	(3)
AE 342 Employer Employee Relations	(3)
AE 343 Managing Engineering Technology	(3)
AE 344 Manufacturing Cost Analysis	(3)
AE 351 Computer Aided Design or EG 121 Engineering Graphics I	(4)
AE 355 Solid Modeling	(3)
AE 361 Materials & Processes of Industry	(3)
AE 365 Strength of Industrial Materials	(3)
AE 366 Control Systems	(3)
AE 370 Continuous Quality Improvement	(3)
AE 371 Quality Control	(3)
AE 380 Industrial Safety and Health	(3)
AE 416 Manufacturing Automation & Robotics	(3)
AE 440 Manufacturing Management Systems	(3)
AE 441 Project Management	(3)
AE 442 Facilities Planning	(3)
AE 451 Advanced Programmable Controllers	(3)
AE 460 Computer-Aided Manufacturing	(3)
AE 484 Industrial Ergonomics	(3)
AE 485 Industrial Safety Management	(3)
AE 493 Senior Seminar	(1)
AE 494 Industrial Internship	(2)