

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, MU233, FH 101 or SH 101

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				
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Major Requirements: 68 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				

AEE Major, 28 hrs

EG 255				
AE 211				
AE 225				
AE 252				
AE 311				
AE 316				
AE 351				
AE 493				
AE 494				

Directed Electives, 16 hours, see your advisor

AE 317				
AE 326				
AE 327				
AE 366				
AE 416				
AE 417				
AE 427				
AE 429				
AE 451				
AE 457				

AE elective				
TOTALS				

General Electives

	H/A	H/E	GR	QP
TOTALS				

DEGREE SUMMARY:

University Requirements	42 hours
Major Requirements	68 hours
Core 24	
AEE 28	
Directed Electives 16	
General Electives	<u>18 hours</u>
Total	128 hours

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 225 Electronic Devices I	(4)
AE 252 Programmable Controllers	(3)
AE 311 Electronics-Digital	(4)
AE 316 Advanced Electronics	(4)
AE 317 Industrial Networking I	(3)
AE 326 Electronic Devices II	(3)
AE 327 Electronic Devices Lab	(1)
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 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 417 Industrial Networking II	(4)
AE 427 Industrial Networking III	(3)
AE 429 Applied Digital Communications	(3)
AE 451 Advanced Programmable Controllers	(3)
AE 457 CCNA Security	(3)
AE 493 Senior Seminar	(1)
AE 494 Industrial Internship	(2)
AE Elective – See your advisor	(3)

