	General Eng	gineering	B.S. with Aero	onautics Minor
For students entering Fall 202				
	First Year - Fall Semester		_	First Year - Spring Semester
Course	Title	Credits	Course	Title
CHEM121	General Chemistry I	4	CHEM122	General Chemistry II
MATH121	Calculus I	3	MATH122	Calculus II
ENGR101	Introduction to Engineering I	1	PHYS122	General Physics I
AVI 110	Private Pilot Theory	3	ENGR102	Introduction to Engineering II
AVI 111	Private Pilot Flight Lab I	1	AVI 112	Private Pilot Flight Lab II
WRIT102	Research Writing	3	CORE 113	Freshman Academic Seminar
CORE103	Community Enrichment Series	0	CORE104	Community Enrichment Series
ENGR192	Freshman Engineering Seminar	0	ENGR193	Freshman Engineering Seminar
	Total	15		Total
	Second Year - Fall Semester			Second Year - Spring Semester
Course	Title	Credits	Course	Title
MATH221	Calculus III	3	MATH306	Differential Equations I
	General Physics I	4	ENGR202	Engineering Dynamics
•	Programming for Engineers	2	•	Mechanics of Materials
ENGR201	Engineering Statics	3	ENGR325/L	Fundamentals of Electrical Engineering
ENGR250	Solid Modeling and CAD	3	ENGR279	Sophmore Engr. Design for Service
RLST105	Religious Studies	3	PHIL 205	Philosophy and Reasoning
ENGR292	Sophomore Engineering Seminar	0	ENGR293	Sophomore Engineering Seminar
	Total	18		Total
	Third Year - Fall Semester			Third Year - Spring Semester
Course	Title	Credits	Course	Title
MATH322	Linear Algebra	3	ENGR335	Engineering Instrumentation
ENGR301/L	Fluid Mechanics	4	ENGR375	Heat Transfer
ENGR321	Applied Engr. Thermodynamics	3	ENGR379	Junior Engr. Design for Service
ENGR350	Materials Science	3	ENGR435/L	Control Theory
HIST1/200	History Elective	3	EPPS	Social science elective (1/2)
EXAM301	Writing Compentency Exam	0	LIT104	LIT103, 201, 202, 207, 270
ENGR392	Junior Engineering Seminar	0	ENGR393	Junior Engineering Seminar
	Total	16		Total
	Senior Year - Fall Semester			Senior Year - Spring Semester
Course	Title	Credits	Course	Title
ENGR427	Power/Thermal Systems Lab	1	ENGR498	Capstone Design
ENGR415	Senior Lab	3	CORE407	Keystone Seminar
ENGR497	Capstone Design Proposal	1	ENGR425	Advanced Thermal and Fluid Systems
ENGR445	Mechanisms, Linkages, and Design of Machine Eler	3	FNAR	Fine Arts
		3	EPPS	Social science elective (2/2)
ECON 101	Economics (EPPS)	_		1 . 1
DIVER	Economics (EPPS) Diversity requirement	3	LANG	Language requirement
DIVER	Diversity requirement		LANG ENGR493	
DIVER PHIL/RLST	Diversity requirement Philosophy/Religious Studies Elect.	3 3		Language requirement Senior Engineering Seminar
	Diversity requirement	3		· · · · · · · · · · · · · · · · · · ·
DIVER PHIL/RLST	Diversity requirement Philosophy/Religious Studies Elect. Senior Engineering Seminar Total	3 3 0		Senior Engineering Seminar Total
DIVER PHIL/RLST ENGR492	Diversity requirement Philosophy/Religious Studies Elect. Senior Engineering Seminar	3 3 0		Senior Engineering Seminar

Credits 0 0 17 Credits 0 18 Credits 18 Credits 0

18

137

Aeronautics Minor (16)

- ENGR 425 Advanced Heat Transfer and Fluid Mechanics, 3
- ENGR 435 Control Theory, 4
- ENGR 445 Mechanisms, Linkages and Design of Machine Elements, 3
- AVI 110 Private Pilot Theory, 3
- AVI 111 Private Pilot Flight Lab I, 1
- AVI 112 Private Pilot Flight Lab II, 1

Credits in the General engineering central requirements = 85
Credits in the CORE curriculum 39
Credits in the Minor = 15

Total credits = 137