	General Engineer	ing B.S. wit	th Engineerin	ng Entrepreneur 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
ECON 101	Economics (EPPS)	3	ENGR102	Introduction to Engineering II
WRIT102	Research Writing	3	LIT104	LIT103, 201, 202, 207, 270
CORE 113	Freshman Academic Seminar	3	RLST105	Religious Studies
CORE103	Community Enrichment Series	0	CORE104	Community Enrichment Series
ENGR192	Freshman Engineering Seminar	0	ENGR193	Freshman Engineering Seminar
	Tota	l 17		Tota
	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		Fundamentals of Electrical Engineering
ENGR250	Solid Modeling and CAD	3	ENGR279	Sophmore Engr. Design for Service
HIST1/200	History Elective	3	PHIL 205	Philosophy and Reasoning
ENGR292	Sophomore Engineering Seminar	0	ENGR293	Sophomore Engineering Seminar
	Tota	l 18		Tota
	Third Year - Fall Semester			-1:14 6:0
				Third Year - Spring Semester
Course	Title	Credits	Course	Title
MATH322	Title Linear Algebra	3	ENGR335	Title Engineering Instrumentation
MATH322 ENGR301/L	Title Linear Algebra Fluid Mechanics	3 4	ENGR335 ENGR375	Title Engineering Instrumentation Heat Transfer
MATH322 ENGR301/L ENGR321	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics	3 4 3	ENGR335 ENGR375 ENGR360	Title Engineering Instrumentation Heat Transfer Technical Innovation
MATH322 ENGR301/L ENGR321 ENGR350	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science	3 4 3 3	ENGR335 ENGR375 ENGR360 MGMT332	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship	3 4 3 3	ENGR335 ENGR375 ENGR360 MGMT332 FNAR	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam	3 4 3 3 3 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar	3 4 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam	3 4 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar	3 4 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar Tota	3 4 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar Total
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar Tota Senior Year - Fall Semester	3 4 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar Total
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar Tota  Senior Year - Fall Semester Title	3 4 3 3 0 0 1 <b>16</b>	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar Tota  Senior Year - Spring Semester Title
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab	3 4 3 3 0 0 1 <b>16</b> <i>Credits</i>	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar Tota  Senior Year - Spring Semester Title Capstone Design
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392 Course ENGR427 ENGR415	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab	3 4 3 3 0 0 1 16  Credits 1 3	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392 Course ENGR427 ENGR415 ENGR497 MGMT333	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab Capstone Design Proposal	3 4 3 3 0 0 1 16  Credits 1 3 1	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar Financing Entrepreneurial Ventures
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392 Course ENGR427 ENGR415 ENGR497 MGMT333	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab Capstone Design Proposal Social Entrepreneurship	3 4 3 3 0 0 1 16  Credits 1 3 1 3	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393 Course ENGR498 CORE407 MGMT335 EPPS	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar  Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar Financing Entrepreneurial Ventures Social science elective (2/2)
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392 Course ENGR427 ENGR415 ENGR497 MGMT333 EPPS	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab Capstone Design Proposal Social Entrepreneurship Social science elective (1/2)	3 4 3 3 0 0 1 16  Credits 1 3 1 3 3	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393 Course ENGR498 CORE407 MGMT335 EPPS LANG	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar  Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar Financing Entrepreneurial Ventures Social science elective (2/2) Language requirement
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392 Course ENGR427 ENGR415 ENGR497 MGMT333 EPPS DIVER	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab Capstone Design Proposal Social Entrepreneurship Social science elective (1/2) Diversity requirement	3 4 3 3 0 0 1 16  Credits 1 3 1 3 3 3 3	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393 Course ENGR498 CORE407 MGMT335 EPPS LANG	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar  Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar Financing Entrepreneurial Ventures Social science elective (2/2) Language requirement
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392  Course ENGR427 ENGR415 ENGR497 MGMT333 EPPS DIVER PHIL/RLST	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab Capstone Design Proposal Social Entrepreneurship Social science elective (1/2) Diversity requirement Philosophy/Religious Studies Elect.	3 4 3 3 0 0 1 16  Credits 1 3 1 3 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393 Course ENGR498 CORE407 MGMT335 EPPS LANG	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar  Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar Financing Entrepreneurial Ventures Social science elective (2/2) Language requirement
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392  Course ENGR427 ENGR415 ENGR497 MGMT333 EPPS DIVER PHIL/RLST	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab Capstone Design Proposal Social Entrepreneurship Social science elective (1/2) Diversity requirement Philosophy/Religious Studies Elect. Senior Engineering Seminar	3 4 3 3 0 0 1 16  Credits 1 3 1 3 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393 Course ENGR498 CORE407 MGMT335 EPPS LANG	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar  Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar Financing Entrepreneurial Ventures Social science elective (2/2) Language requirement Senior Engineering Seminar
MATH322 ENGR301/L ENGR321 ENGR350 MGMT331 EXAM301 ENGR392  Course ENGR427 ENGR415 ENGR497 MGMT333 EPPS DIVER PHIL/RLST ENGR492	Title Linear Algebra Fluid Mechanics Applied Engr. Thermodynamics Materials Science Entrepreneurship Writing Compentency Exam Junior Engineering Seminar  Tota  Senior Year - Fall Semester Title Power/Thermal Systems Lab Senior Lab Capstone Design Proposal Social Entrepreneurship Social science elective (1/2) Diversity requirement Philosophy/Religious Studies Elect. Senior Engineering Seminar	3 4 3 3 0 0 1 16  Credits 1 3 1 3 3 3 0 0	ENGR335 ENGR375 ENGR360 MGMT332 FNAR ENGR379 ENGR393 Course ENGR498 CORE407 MGMT335 EPPS LANG	Title Engineering Instrumentation Heat Transfer Technical Innovation The Entrepreneurial Mind: Creativity and Innovation Fine Arts Junior Engr. Design for Service Junior Engineering Seminar  Tota  Senior Year - Spring Semester Title Capstone Design Keystone Seminar Financing Entrepreneurial Ventures Social science elective (2/2) Language requirement Senior Engineering Seminar

## Credits 3 4 3 0 18 Credits 3 3 0 18 Credits 3 3 17 Credits **15** 136

## Engineering Entrepreneur Minor (16)

The Engineering Entrepreneur Minor offers an exciting path for General Engineers interested in leaving the beaten path and forging their own direction. This minor develops in the General Engineer both entrepreneurship and innovative practices in traditional and technical areas. Graduates of this mino  $are \ well \ equipped \ for \ careers \ in \ consulting \ or \ in \ developing \ new \ technologies \ or \ new \ technical \ startup$ companies.

- ENGR 103 Technical Applications of sUAS, 1
  ENGR 360 Technical Innovation, 3
  MGMT 331 Entrepreneurship, 3
  MGMT 332 The Entrepreneurial Mind: Creativity and Innovation, 3
  MGMT 333 Social Entrepreneurship, 3
  MGMT 335 Financing Entrepreneurial Ventures, 3

Credits in the General engineering central requirements = 82 Credits in the CORE curriculum Credits in the Minor = 15

136 Total credits =