

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE
Industrial Management and Applied Engineering Technology
with a Certificate in Business Administration
(Accredited by the Association of Technology, Management, and Applied Engineering, ATMAE)

CURRICULUM

FRESHMAN YEAR		Spring	
Fall			
GEEN 1201 Engineering as a Career	2	ENGL 1302 Rhetoric and Composition	3
ENGL 1301 Rhetoric and Composition	3	PHYSICS ³	3
ITEN 1311 Technical CAD	3	HIST 1301 American History I	3
ITEN 1315 Intro to Manufacturing	3	Lang/Phil/Cultural Elective	3
MATH ¹	3	MATH ¹	3
	<u>14</u>		<u>15</u>
SOPHOMORE YEAR			
ITEN 2330 OSHA for General Industry	3	ITEN 2301 Industrial Electronics	3
HIST 1302 American History II	3	Creative Arts Elective	3
CHEMISTRY ²	4	ITEN 2322 Measurement and Materials	3
POLS 2301 U.S. Government	3	Business Elective	3
ISYS 1301 Computer Applications	3	Communication Elective	3
	<u>16</u>		<u>15</u>
JUNIOR YEAR			
ACCT 2301 Fundamentals of Accounting	3	ITEN 3313 Energy Systems	3
ECON 2301 Principles of Economics	3	ITEN, adv ⁴	3
ITEN 3306 Manufacturing Processes	3	MGMT 3322 Principles of Management	3
ITEN 3331 Construction Technology	3	Elective	3
POLS 2302 Texas Government	3	Elective	3
	<u>15</u>		<u>15</u>
SENIOR YEAR			
ITEN 3323 Cost Estimating	3	ITEN 4336 Industrial Employment Research	3
ITEN 3349 Manufacturing Productivity	3	ITEN 4340 Leadership and Supervision	3
ITEN 4352 Quality Assurance	3	ITEN 4332 Hazardous Waste and Fire Safety	3
ITEN, adv ⁴	3	ITEN, adv ⁴	3
ITEN, adv ⁴ or Business, Adv ⁵	3	ITEN, adv ⁴ or Business, Adv ⁵	3
	<u>15</u>		<u>15</u>

Total Hours for this degree are 120

Notes:

ITEN majors must complete at least 6 credit hours of program specific Math/Science courses and possess a Math/Science GPA of 2.0 before any ITEN 3000-4000 Level courses can be scheduled. By completing ACCT 2301, ECON 2301, MGMT 3322, and an approved Business Elective, ITEN majors earn a Certificate in Business Admin.

¹ Any university MATH course except MATH 1350 and MATH 1351.

² CHEM 1311/1111 or CHEM 1405.

³ PHYS 1301/1101, PHYS 1305/1105, PHYS 1375 or PHYS 2325/2125.

⁴ Chosen from a list the Department and advisor will provide to students

⁵ Students have the options to complete two minors within their degree. No need to take extra classes. See information below:

Business Administration Certificate, 12 credit hrs. (built-in)

ACCT 2301	Principles of Accounting I	core
ECON 2301	Principles of Economics I	core
MGMT 3322	Principles of Management	core
Approved Business Elective		core

Business Administration Minor, 18 credit hrs. (optional)

ISYS 3358	Business Info Systems	required
MGMT 3325	HR Management	elective
OR (Other course elective options available)		elective)

Minor in Construction Management 18 credit hrs. (optional)

ITEN 2030	OSHA for General Industry	core	ITEN 3321	Architectural CAD	elective
ITEN 3323	Cost Estimating	core	ITEN 4353	Construction Management	elective
ITEN 3331	Construction Technology	core			
MGMT 3322	Principles of Management	core			