

College of Basic and Applied Sciences
2004-2005 Upper Division Form (121 hours) NOTE: Program will be reduced to 120 hours.

Student name _____ Student # _____
 Major Industrial Technology Minor _____
 Concentration Industrial Systems E-mail _____

Instructions: For students graduating in Fall 2004 or later. One (1) copy signed by major and minor advisors should be filed in the Records Office during the second semester of the sophomore year. An Intent to Graduate Form should be filed in the Records Office during the first semester of the senior year.

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose 1: ENGL 2020, 2030, HUM 2610. Choose 2 with different prefixes): ANTH 2210, ART 1030, DANC 1000, HIST 1010, HIST 1020, HIST 1110, HIST 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3hours)	MATH 1730			Fourth credit is counted in Supporting courses.	3 of 4
NATURAL SCIENCES (8 hours)	BIOL 1030				4
	PHYS 2010/2011				4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, GEOG 2000, HLTH 1530, PS 1010, PS 2010, PSY 1410, SOC 1010, WMST 2100					3
					3
Hours Required					41

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
ENGINEERING FUNDAMENTALS (3 hours)	ET 1840				3
COMPUTER AIDED DESIGN CAD I (3 hours)	ET 2310				3
MACHINE TOOL TECHNOLOGY (3 hours)	ET 3210				3
MANUFACTURING PROCESSES & MATERIALS (3 hours)	ET 3260				3
PRINCIPLES OF ELECTRICITY (4 hours)	ET 3615				4
THERMODYNAMICS (3 hours)	ET 3810				3
STATICS (3 hours)	ET 3830				3
INTRO TO OPERATIONS MANAGEMENT (3 hours)	ET 3910				3
METROLOGY (3 hours)	ET 3950				3
INDUSTRIAL QUALITY TECHNOLOGY (3 hours)	ET 3960				3
INDUSTRIAL SAFETY (3 hours)	ET 4420				3
MANUFACTURING AUTOMATION SYSTEMS (3 hours)	ET 4590				3
PROGRAMMABLE LOGIC CONTROLLERS (2 hours)	ET 4600				2
INDUSTRIAL SEMINAR (1 hour)	ET 4710				1
PRODUCTIVITY STRATEGIES (3 hours)	ET 4900				3
PLANT LAYOUT & MATERIALS HANDLING (3 hours)	ET 4920				3
ENGINEERING ECONOMY (3 hours)	ET 4970				3
INDUSTRIAL ENGINEERING SYSTEMS (3 hours)	ET 4990				3
TOPICS IN INDUSTRIAL TECHNOLOGY (1 hour)	ETIS 4490			To be removed from requirements.	1

Major requirements continued from previous page

SENIOR PROBLEM (CAPSTONE) (3 hours)	ETIS 4800				3
Electives (6 hrs.) Choose 2:					6
ET 1210 - METALS AND METALLURGY (3 hours)					
ET 3360 - CAD II (3 hours)					
ET 3860 - STRENGTH OF MATERIALS (3 hours)					
ET 4280 - CAM/NC (3 hours)					
ET 4370 - RAPID PROTOTYPING (3 hours)					
ET 4850 - FLUID POWER (3 hours)					
ET 4910 - MAINTENANCE MANAGEMENT (3 hours)					
PSY 3320 - INDUSTRIAL PSYCHOLOGY (3 hours)					
Hours Required					62

Supporting and Elective Courses				
Course	Semester	Grade	Notes	Credit Hours
MATH 1730 (fourth credit)				1
INTRODUCTORY GENERAL CHEMISTRY - CHEM 1010				4
COMPUTER SCIENCE ORIENTATION - CSCI 1150				3
APPLIED STATISTICS - MATH 1530 or PSY 3020 or QM 2610				3
CALCULUS I - MATH 1910				4
ACCOUNTING - ACTG 3000 or 2110 and 2120				3
Hours Required				18

Optional Minor			
Course	Credit Hours	Courses	Credit Hours
Hours Required			
Signed:			
	Minor Advisor		Date

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Remedial/developmental courses do not count toward the 120-hour requirement or cumulative degree GPA.
3. Courses used to fulfill high school deficiencies can only be counted as general elective credit.

Signed:		
	Major Advisor	Date
Signed:		
	Department Chairperson (needed only if substitutions are indicated)	Date
Signed:		
	Dean of College (needed only if substitutions are indicated)	Date