

Industrial Technology - AUTOMATED SYSTEMS Concentration

Bachelor of Science

NAME:

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	Grade	Semester	Minimum Grade of D Required:	Grade	Semester	Minimum Grade of C required:	
ENGLISH (12 hrs)			ENGL 101 Freshman Composition (3 hrs)			OSHE 111 Introduction to OSHE (3 hrs)	Industrial Technology (36 hours)
			ENGL 102 Critical Reading and Writing (3 hrs)			IT 111 Engineering Drafting (3 hrs)	
			ENGL 230, 231 <u>or</u> 232 (3 hrs)			IT 112 Descriptive Geometry (3 hrs)	
		ENGL 322 Intro to Prof and Technical Writing (3 hrs)			IT 233 Intro to Basic Electricity and Electronics (3 hrs)		
NATURAL SCIENCE (16 hrs)			Biology Lecture _____(3 hrs)			IT 236 Advanced Electronics (3 hrs)	
			Biology Lab _____(1 hr)			IT 242 Materials and Processes (3 hrs)	
			Chemistry - CHEM 101 Lecture (3 hrs)			IT 256 Principles and Metallurgy of Welding (3 hrs)	
			Chemistry - CLAB 103 Lab (1 hr)			IT 264 Industrial Fluid Power (3 hrs)	
			Physics - PHYS 191 Lecture (3 hrs)			IT 322 Materials Science and Metallurgy (3 hrs)	
			Physics - PLAB 193 Lab (1 hr)			IT 351 Machine Tool and Technology (3 hrs)	
			Second Science Course Lecture (3 hrs)			IT 405 Work Methods and Measurement (3 hrs)	
			Second Science Course Lab (1 hr)			IT 406 Facilities Planning and Design (3 hrs)	
		For Second Science lecture/lab choose either Chemistry CHEM 102 / CLAB 104 or Physics PHYS 192 /PLAB 194.				IT 215 Computer-Aided Drafting (3 hrs)	
Computing/Business			ACCT 200 Introduction of Financial Accounting <u>or</u> MGMT 351 (3 hrs)			IT 331 Industrial Control Systems (3 hrs)	Concentration (15 hrs)
			ECON 201 Macroeconomics (3 hrs)			IT 407 Six Sigma Industrial Quality (3 hrs)	
			CMPS 173 Software for Management of Data (3 hrs)			IT 442 CAD/CAM/Robotics (3 hrs)	
			CMPS 273 Software for Storing and Analyzing Data(3 hrs)			IT 444 Computer-Integrated Manufacturing(CIM) (3 hrs)	
OTHER (14 hrs)			ART, DNCE, MUS, or THEA (3 hrs)			¹ IT _____ Industrial Technology Technical Elective (3 hrs)	Tech Electives
			HIST 101, 102, 201, or 202 (3 hrs)			¹ _____ Tech Elective: CMPS, ET, IT, MATH, MGMT or Science (3 hrs)	
			COMM 211 Introduction to Public Speaking (3 hrs)			¹ No 100-level course will be accepted as a Technical Elective without approval of the Department Head. CMPS 110 cannot be taken as a technical elective	
		Sociology - SOC 101 <u>or</u> Psychology PSYC 101 (3 hrs)					
MATH (9 hrs)			SE 101 <u>or</u> Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more.			Notes:	
			MATH 161 College Algebra (3 hrs)				
			MATH 162 Plane Trigonometry (3 hrs)				
			MATH 165 Precalculus with Trig <u>or</u> MATH 241 Elemen. Statistics (3 hrs)				