

Industrial Technology - AUTOMATED SYSTEMS Concentration

Bachelor of Science

NAME:

W#:

	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)	Core (33 hours)
			ENGL 102 Critical Reading and Writing (3 hrs)			*CMPS 173 Software for Management of Data (3 hrs)	
			ENGL 230, 231 <u>or</u> 232 (3 hrs)			IT 100 Introduction to Industrial Technology (3 hrs)	
		ENGL 322 Intro to Prof and Technical Writing (3 hrs)			IT 111 Engineering Drafting (3 hrs)		
NATURAL SCIENCE (16 hrs)			Biology Lecture _____(3 hrs)			IT 233 Intro to Basic Electricity and 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 351 Machine Tool and Technology (3 hrs)	
			Physics - PLAB 193 Lab (1 hr)			IT 405 Work Methods and Measurement (3 hrs)	
			Second Science Course Lecture (3 hrs)			IT 406 Facilities Planning and Design (3 hrs)	
			Second Science Course Lab (1 hr)			*CMPS 273 Software for Storing and Analyzing Data(3 hrs)	
				For Second Science lecture/lab choose either Chemistry CHEM 102 / CLAB 104 or Physics PHYS 192 /PLAB 194.			DDT 212 Machine Design Drafting or DDT 316 Adv Comp Aided DD (3 hrs)
Business			ACCT 200 Introduction of Financial Accounting <u>or</u> MGMT 351 (3 hrs)			IT 112 Descriptive Geometry (3 hrs)	Aut Systems Concentration (27 hrs)
			ECON 201 Macroeconomics (3 hrs)			IT 236 Advanced Electronics (3 hrs)	
OTHER (14 hrs)			ART, DNCE, MUS, <u>or</u> THEA (3 hrs)			IT 322 Materials Science and Metallurgy (3 hrs)	
			HIST 101, 102, 201, <u>or</u> 202 (3 hrs)			IT 331 Industrial Control Systems (3 hrs)	
			COMM 211 Introduction to Public Speaking (3 hrs)			IT 407 Six Sigma Industrial Quality (3 hrs)	
			Sociology - SOC 101 <u>or</u> Psychology PSYC 101 (3 hrs)			IT 442 CAD/CAM/Robotics (3 hrs)	
		SE 101 <u>or</u> Free Elective (2 hrs) not required of transfer or re-admitted			IT 444 Computer-Integrated Manufacturing(CIM) (3 hrs)		
MATH (9 hrs)			MATH 161 College Algebra (3 hrs)			¹ _____ Tech Elective: CMPS, ET, IT, MATH, MGMT or Science (3 hrs)	Tech Elective
			MATH 162 Plane Trigonometry (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	
			MATH 241 Elementary Statistics (3 hrs)				

Notes: * Only a minimum grade of D is required for CMPS 173 and CMPS 273