

Industrial Technology - WELDING Technology 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 or IT 302(3 hrs)	Core (36 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 ___GBIO 106___(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 407 Six Sigma Industrial Quality (3 hrs)	
			Second Science Course Lab (1 hr)			IT 221 Nondestructive Testing (3 hrs)	
		For Second Science lecture/lab choose either Chemistry CHEM 102 / CLAB 104 or Physics PHYS 192 / PLAB 194.				IT 241 Manual Welding (3 hrs)	Welding Concentration (18 hours)
Business			ACCT 200 Introduction of Financial Accounting			IT 312 Principles and Applications of Industr. Codes and Standards (3 hrs)	
			ECON 201 Macroeconomics (3 hrs)			IT 322 Materials Science and Metallurgy (3 hrs)	
			MGMT 351 Principles of Management (3 hrs)			IT 341 Auto-Semiauto Welding(3 hrs)	
					IT 381 Weld Joint Design (3 hrs)		
OTHER (14 hrs)			ART, DNCE, MUS, <u>or</u> THEA (3 hrs)			IT 403 Certified Welding Inspector-Certified Welding Supervisor (3 hrs)	Tech Elec
			HIST 101, 102, 201, <u>or</u> 202 (3 hrs)			¹ _____ Tech Elec: CMPS, ET, IT, MATH, OSHE, MGMT or Science (3 hrs)	
			COMM 211 Introduction to Public Speaking (3 hrs)			¹ _____ Tech Elec: CMPS, ET, IT, MATH, OSHE, MGMT or Science (3 hrs)	
MATH (9 hrs)			Sociology - SOC 101 <u>or</u> Psychology PSYC 101 (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.	
			SE 101 or Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more.				
			MATH 161 College Algebra (3 hrs)			Notes: *Minimum grade of D required in CMPS 173	
			MATH 162 Plane Trigonometry (3 hrs)				
		MATH 241 Elementary Statistics (3 hrs)					

LAST UPDATED: 08/05/2023

TOTAL SEMESTER HOURS: 120

(NOTE: ½ of all major hours must be taken at Southeastern.)