



HIGH SCHOOL-TO-COLLEGE PATHWAY



PATHWAY: ENGINEERING DESIGN TECHNOLOGY							DIPLOMA	
HIGH SCHOOL PLAN								
SECONDARY	GRADE	English	Math	Science	Social Studies	Required Courses or Recommended CTE Electives	Career and Technical Courses	
	9	English I	Math I	Earth Science	World History	*Health/PE	Microsoft Word/PPT *PLTW Intro to Engineering Design	
	10	English II	Math II	Biology	Civics & Economics	*PLTW Principles of Engineering	Drafting I	
	11	English III	Math III	Physics	US History I	CIS 110 Intro to Computers DFT 152 CAD II	Drafting II Engineering Drafting III Engineering	
	12	English IV	4 th Math Course	Elective	US History II	DFT 154 Intro to Solid Modeling	MEC 111 Machine Processes I Internship/Apprenticeship	
COMMUNITY COLLEGE PLAN								
Year 13								
POSTSECONDARY	Fall Semester	DFT 111 Tech Drafting I	DFT 111A Tech Drafting I Lab	DFT 151 CAD I	CIS 110 Intro to Computers	ENG 111 Writing & Inquiry	MAT 121 Algebra/Trigonometry I	
	Spring Semester	DFT 152 CAD II	DFT 154 Intro to Solid Modeling	MEC 111 Machine Processes I	DFT 112 Technical Drafting II	DFT 112A Technical Drafting II Lab	CIV 125 Civil/Surveying CAD	MEC 110 Intro to CAD/CAM
	Summer Semester	ARC 111 Intro to Arch Technology				DDF 221 Design Draft Project		

REQUIRED CREDIT HOURS FOR DIPLOMA: 37

HOURS REMAINING TO COMPLETE DIPLOMA: 16

RED ARTICULATED CREDIT: 9 HOURS

Yellow Recommended CTE: 12 HOURS

OCCUPATIONS: Mechanical Drafter, Designer, CAD Designer, Project Designer.

AVERAGE SALARY: \$51,520

Upon completion of the pathway, the students will be awarded an **Engineering Design Certificate** from SCC