



Instructor Doug Visel

Learner ID _____

School/College/University Dakota H.S./ Rock Valley College: A.A.S. or Cert in Manufacturing Engineering Technology (M.E.T.)

Architecture and Construction: Design/Pre-Construction

updated 11/25/13

Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teacher/Faculty

This Career Pathway Plan of Study (based on the Design/Pre-Construction Pathway of the Architecture and Construction Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts: 4 credits	Math: 3 credits	Science: 2 credits	Social Studies: 2 credits	Other Required Courses Other Electives Recommended	*Career and Technical Courses and/ or Degree Major Courses for Design/Pre-Construction Pathway	SAMPLE Occupations Relating to This Pathway		
Interest Surveys are provided during Job Skills & Explore, Plan and ACT testing										
SECONDARY	9	Intro to Lit	Alegebra 1/1A	General Science		Required 9-12: PE/Health (health 1/2 credit), Consumer Ed (1/2 credit), speech (1/2 credit), Music/Art/Foreign Lang/CTE (1 credit) Other Suggested Electives: Spanish 1, Art I & 2, Construction Trades 1 & 2	Draft 1,2 (Draft 2 has dual credit to DRAF 105 @ HCC)	<ul style="list-style-type: none"> ► Architect ► Building Code Official ► Building Designer ► Civil Engineer ► Code Official ► Cost Estimator ► Drafter ► Electrical Engineer ► Electronic Engineer ► Environmental Designer ► Environmental Engineer ► Fire Prevention and Protection Engineer ► Industrial Engineer ► Interior Designer ► Landscape Architect ► Materials Engineer ► Mechanical Engineer ► Regional and Urban Planner/ Designer ► Safety Director ► Specification Writer ► Structural Engineer ► Surveying and Mapping Technician 		
	10	App of Lit/Writing	Geometry/A	Biology	S.S. elective		Draft 1,2 & 3, 4			
	11	American Lit	Algebra 2, A, Pre-Calc	General Science	US History 1 & 2		Draft 1,2 & 3,4 CAD 1			
	College Placement Assessments-Academic/Career Advisement Provided									
	12	Senior Lit					Draft 1,2 & 3,4 CAD 1,2			
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.										
POSTSECONDARY	Year 13	ENG 101	MTH 100			SPH 131 MET 110, 111	CAD 8810 CNC 8820			
	Year 14	ENG 110	MTH 132			MET 243, 105, 146, 100, 133, 162	Basic Quality 8830 Creating Manufacturing Associate 8840			
	Year 15					MET 217, 218				
	Year 16									