

CONCRETE AND MASONRY

Delivery: Daytime Program
 Start: Fall Semester, Full-Time
 Location: Rosemount Campus

Outcome

Concrete and Masonry A.A.S. Degree..... 67 credits
 Concrete and Masonry Diploma..... 33 credits

Major Description

This program prepares students for careers as cement, brick and block masons in both residential and commercial construction. Students learn fundamental construction skills while studying concrete properties, testing and repair. Specialty concrete properties, concrete production facilities operation and concrete construction methods are also covered in the program's curriculum.

Work Environment

Cement, block and brick masons work with concrete, one of the most common and durable of all construction materials. They usually work outdoors. Winter work slowdowns are diminishing thanks to new processes and materials that permit work in harsher weather conditions.

Potential Job Titles

- Concrete Finisher
- Cementer
- Bricklayer
- Block Worker
- Stonemason
- Tile Setter

Salary Data

- Average Wage: \$30.31/hour
- Top Earners: \$40.42/hour

CONCRETE AND MASONRY – A.A.S. DEGREE

Fall Semester – First Year

Course#	Course Title	Credits
CONC1600	Shop Theory	2
CONC1601	Shop I: Site Preparation for Construction	6
CONC1602	Shop II: Brick and Block Construction	4
CONC1604	Foundations, Concrete, & Safety for Masons	4
CONC1605	Math for Masons	2
Total Credits		18

Spring Semester – First Year

Course#	Course Title	Credits
CONC1606	Testing of Mortar and Concrete	3
CONC1610	Concrete Problems: Diagnosis, Prevention, & Resolution	2
CONC1613	Shop III: Advanced Brick & Block Construction	4
CONC1614	Shop IV: Integrated Concrete Systems	4
CONC1615	Blueprint Reading Estimating	2
COML1400	Introduction to Computers	3
Total Credits		18

Fall Semester – Second Year

Course#	Course Title	Credits
ENTR1860	Business Plan Development	3
OFFC1340	Quick Books Pro Basics	2
SMGT1000	Principles of Supervision	3
SPEE1020	Interpersonal Communication	3
	General Education Elective (MnTC Goal 3 or 4)**	4
Total Credits		15

Spring Semester – Second Year

Course#	Course Title	Credits
SMGT1028	Management Effectiveness	3
SMGT1033	Business Law and Ethics	3
ENGL1100	Writing and Research Skills	3
	General Education Electives**	7
Total Credits		16

TOTAL PROGRAM REQUIREMENTS 67

*This is a sample course sequence resulting in an A.A.S. degree.
 Please consult your program advisor regarding your academic plans.*

*** Select General Education electives from any MnTC goal area.
 See pages 116-118 in the college catalog.*

CONCRETE AND MASONRY – DIPLOMA

Fall Semester – First Year

Course#	Course Title	Credits
CONC1600	Shop Theory	2
CONC1601	Shop I: Site Preparation for Construction	6
CONC1602	Shop II: Brick and Block Construction	4
CONC1604	Foundations, Concrete, & Safety for Masons	4
CONC1605	Math for Masons	2
Total Credits		18

Spring Semester – First Year

Course#	Course Title	Credits
CONC1606	Testing of Mortar and Concrete	3
CONC1610	Concrete Problems: Diagnosis, Prevention, & Resolution	2
CONC1613	Shop III: Adv. Brick & Block Construction	4
CONC1614	Shop IV: Integrated Concrete Systems	4
CONC1615	Blueprint Reading Estimating	2
Total Credits		15
TOTAL PROGRAM REQUIREMENTS		33

*This is a sample course sequence resulting in a diploma.
Please consult your program advisor regarding your academic plans.*