

CONSTRUCTION TRADES & DRAFTING

DRAFTING

CLASS NUMBER	1530/1531	CLASS LENGTH	2 semesters
GRADE LEVEL	9, 10, 11, 12	CREDIT	1.0
CLASS FEES	\$10.00/semester	CREDIT AREA	Life Skills/Fine Arts
PREREQUISITES	None	NOTES	

This course will introduce the student to the basic industrial communication skills of drafting, problem solving and design. An emphasis will be placed on the direct application of academic skills by integrating math, science, communication and social science into the instructional process. This course will prepare students for further studies in Computer Aided Drafting and Design (CADD). Students will explore various career possibilities within Industrial Technology, which include Communication, Drafting, CADD, and Construction Trades.

COMPUTER AIDED DRAFTING AND DESIGN

CLASS NUMBER	2530/2531	CLASS LENGTH	1 or 2 semesters
GRADE LEVEL	10, 11, 12	CREDIT	0.5 or 1.0
CLASS FEES	\$10.00/semester	CREDIT AREA	Life Skills/Fine Arts
PREREQUISITES	Drafting	NOTES	Dual credit is possible through Aims Community College for an additional expense.

This course builds on the basic industrial communication skills learned in previous courses by introducing students to computer-aided drafting and design. This course will articulate into the post-secondary CADD course program at Aims Community College. This course will not only strengthen previously learned skills but will also allow students to undertake more complex problems and focus these skills in a more specific area such as architecture and engineering. Dual credit is possible through Aims Community College for an additional expense.

CONSTRUCTION TRADES I

CLASS NUMBER	2532/2533	CLASS LENGTH	2 semesters
GRADE LEVEL	10, 11, 12	CREDIT	1.0
CLASS FEES	\$15.00/semester	CREDIT AREA	Life Skills/Fine Arts
PREREQUISITES	Drafting & teacher approval	NOTES	

This course furthers the students' industrial communication skills by applying them to industrial production in a work place environment. Hands on experiences in manufacturing and construction comprise the activities in this course. Strategies for team and individual problem solving techniques will be developed and ample opportunities will be provided to practice and demonstrate these techniques.

CONSTRUCTION TRADES II

CLASS NUMBER	3532/3533	CLASS LENGTH	2 semesters
GRADE LEVEL	11, 12	CREDIT	1.0
CLASS FEES	\$15.00/semester	CREDIT AREA	Life Skills/Fine Arts
PREREQUISITES	Construction Trades I	NOTES	

This course furthers the students' industrial communication skills by applying them to industrial production in a work place environment. Hands on experiences in manufacturing and construction comprise the activities in this course. Strategies for team and individual problem solving techniques will be developed and ample opportunities will be provided to practice and demonstrate these techniques. This course builds on and expands the work done in Construction Trades I. Students are responsible for the additional costs of personal designed projects.

CONSTRUCTION TRADES III

CLASS NUMBER	4532/4533	CLASS LENGTH	2 semesters
GRADE LEVEL	12	CREDIT	1.0
CLASS FEES	\$15.00/semester	CREDIT AREA	Life Skills/Fine Arts
PREREQUISITES	Construction Trades II	NOTES	

This is the Capstone course of the construction Trades Program. It is for the student who at this point in their life is seriously considering a career in the trades. The focus of the course allows the student to further their knowledge and skills in the areas of residential construction, light construction and cabinetmaking. Students are responsible for the additional costs of personal designed projects.

CONSTRUCTION TRADES COOPERATIVE WORK EXPERIENCE NEW CLASS!

CLASS NUMBER	4530/4531	CLASS LENGTH	1 or 2 semesters
GRADE LEVEL	11, 12	CREDIT	0.5 or 1.0
CLASS FEES	NONE	CREDIT AREA	Career & Technical Education
PREREQUISITES	Enrollment in a CT class and teacher approval	NOTES	Any CT student can receive an additional credit if they have a job while taking this course.

This course is designed for the advanced Construction Trades Student demonstrating superior skills in the Construction Trades Program, including Computer Aided Drafting. The Construction Trades instructor shall approve students desiring to enter this program. Students may obtain employment inside or outside of school. Such employment must employ skills gained in the Construction Trades Program. If necessary to aid the student in gaining a successful experience, further educational support will be provided at school.
