

# SKILLED TRADES, ASSOCIATE IN APPLIED SCIENCE (SKTR)

Effective: Spring 2021

The Skilled Trades Program is designed to serve individuals who have a background or interest in pursuing a skilled trade such as automotive, electrical, plumbing, heating, ventilation and air conditioning, carpentry and welding and who desire to advance their career, through continued education, into a supervisory or management role. The program provides for up to 30 credits to be awarded toward the Associate in Applied Science Degree for a trade or technical certificate completed at the college and may include equivalent work or training experiences assessed as Credit for Prior Learning. The curriculum includes general education courses that will strengthen communication, problem solving and critical thinking skills essential to career advancement.

## Program Outcomes

Upon successful completion of this program, students should be able to:

- Build on acquired technical skills required in a relevant skilled trade.
- Communicate in an effective and professional manner both verbally and in writing.
- Apply the knowledge of mathematics to skilled trades problems.
- Develop skills for supervising work in a skilled trade work environment.
- Demonstrate mastery of required industry safety and health standards and practices.

## Curriculum

First Semester		Hours
ENG 100	English Composition I	3
CHE 101	Introduction to General Chemistry	4
TCC 111	Technical Communications	3
MAT 128	Algebra	3-4
or MAT 151	or College Algebra	
or MAT 135	or Business Precalculus	
Skilled Trades Elective		3
<b>Hours</b>		<b>16-17</b>
Second Semester		Hours
ENG 112	English Composition II: Writing About Literature	3
Select one of the following:		3-4
MAT 135	Business Precalculus	
MAT 136	Business Calculus	
MAT 151	College Algebra	
MAT 152	Precalculus	
Any Oral Communication designated course		3
Any Diversity and Social Justice and Global Understanding designated Social Science course		3
Skilled Trades Elective		3
<b>Hours</b>		<b>15-16</b>
Third Semester		Hours
TCS 108	Construction Supervision	3
TCS 141	Construction First Aid/Safety	3
Three Skilled Trades Electives		9
<b>Hours</b>		<b>15</b>

Fourth Semester		Hours
Five Skilled Trades Electives		15
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>61-63</b>

## Notes

### Skilled Trade Electives

Select 30 credits of courses from AUT, CPT, ELT, HVA, PLB, TCC or WLD, as well as OCS 102 Building Construction Code, TCS 100 Construction Blueprint Reading.

(Recommended: Establish an "Area of Concentration" by following prescribed Skilled Trades Certificate programs ([https://catalog.dccc.edu/academic-programs/programs-study/#programsbydisciplinetext#programsbydisciplinetext/#ProgByDisc\\_Skill\\_Trade](https://catalog.dccc.edu/academic-programs/programs-study/#programsbydisciplinetext#programsbydisciplinetext/#ProgByDisc_Skill_Trade)))

**Oral Communication designated courses ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#OC\\_Course\\_List](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#OC_Course_List)).**

**Diversity and Social Justice and Global Understanding courses. ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#Dual\\_DJ\\_GU\\_CourseList](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#Dual_DJ_GU_CourseList))**

## Career