



## Certificate— Climate & Energy Control Technologies to an Associate of Science— Industrial Technology

### At Washburn Tech:

#### Certificate Program:

##### Climate & Energy Control Technologies

- CEC105 Workplace Skills
- CEC110 Safety Orientation/OSHA 10
- CEC115 Electrical Fundamentals
- CEC118 Electrical Fundamentals II
- CEC120 Heating System Fundamentals
- CEC123 Advanced Electrical Theory for HVAC
- CEC126 Advanced Heating Systems
- CEC135 Sheet Metal Fabrication I
- CEC205 HVAC Fundamentals
- CEC207 Heating System Installation
- CEC210 EPA 608
- CEC215 Intro to Mechanical Refrigeration
- CEC225 Heat Pumps
- CEC230 Commercial HVAC
- CEC235 Commercial HVAC Lab

### At Washburn University:

#### Associate of Science-Major:

##### Industrial Technology

- TA 210 Tech Survey
- MA 112 Contemporary College Mathematics\*  
OR MA 116 College Algebra\*
- EN 101 First Year Writing
- WU 101 The Washburn Experience\*\*
- General Education Humanities (6 hours)
- General Education Natural Science (3 hours)
- General Education Social Science (6 hours)

#### AS Degree Requirements

- Minimum 15 credit hours of required coursework must be taken at Washburn
- Student must be concurrently enrolled in 12 hrs at WUTech or have already completed one of the approved WUTech certificates
- Must start at WU within 6 years of WUTech certificate completion

### Additional Notes:

- Check with your advisor at Washburn Tech or in the School of Applied Studies at Washburn University for assistance in building your course schedule each term.
- Reduced tuition rate at Washburn University only applies to the required Associate of Science courses

\* Please note the following regarding MA 112 and MA116:

\* MA 112 requires a ACT Score of 18 or higher on the Math component, MA 112 Placement Exam Score of 50% or higher, or MA 090 with a “B” or better.

\* MA 116 requires a ACT Score of 22 or higher on the Math component, MA 116 Placement Exam Score of 75% or higher, or MA 095 with a “B” or better.

\*\* *Students transferring with 30 or more credit hours completed at an accredited post-secondary institution (after graduating from High School) with a GPA of 2.0 or higher are exempt from this requirement.*