

FACILITY AND SERVICE TECHNOLOGY AAS

Purpose: Facility and Service Technician (FAST) major is designed to prepare students for careers requiring skills in the operation, maintenance, troubleshooting, and repair of electrical and mechanical equipment found in residential and commercial buildings.

Award

FAST AAS Degree.....69 credits total
 FAST curriculum 54 credits
 MnTC curriculum/General Education..... 15 credits

*** The course sequence for this program begins in fall only and is intended for full-time enrollment.**

RECOMMENDED FULL-TIME COURSE SEQUENCE			
Not all courses are scheduled every semester. See course schedule: https://eservices.minnstate.edu/registration/search/basic.html?campusid=306 .			
<p>Semester 1</p> <p>FST1500 Power Plant Theory 4 cr</p> <p>FST 1510 Welding Theory 1 cr</p> <p>FST 1520 Welding Equipment Repair 1 cr</p> <p>FST 1530 Plumbing Theory 1 cr</p> <p>FST 1540 Power Plant Operation 4 cr</p> <p>FST 1550 Plumbing Lab 2 cr</p> <p>FST 1560 Basic Pneumatics/Hydraulics 2 cr</p> <p>FST 1570 Basic Boiler Theory 1 cr</p> <p>Goal 3 or 4 3 cr</p> <p style="text-align: right;">Total Credits 19</p>		<p>Semester 2</p> <p>FST 1611 Basic Electricity 2 cr</p> <p>FST 1621 Electrical Theory I 3 cr</p> <p>FST 1631 Electrical Lab I 3 cr</p> <p>FST 1641 Electrical Theory II 3 cr</p> <p>FST 1651 Electrical Lab II 3 cr</p> <p>FST 1661 Electrical Safety National Electric Code 2 cr</p> <p>Any MNTC 3 cr</p> <p style="text-align: right;">Total Credits 19</p>	
<p>Semester 3</p> <p>FST 2500 Refrigeration Theory 3 cr</p> <p>FST 2506 Refrigeration Lab 3 cr</p> <p>FST 2512 Commercial Refrigeration 3 cr</p> <p>FST 2518 Commercial Refrigeration Lab 2 cr</p> <p>Goal 6 3 cr</p> <p style="text-align: right;">Total Credits 14</p>		<p>Semester 4</p> <p>FST 2602 HVAC/Refrigeration Systems Theory 4 cr</p> <p>FST 2612 HVAC/Refrigeration Systems Lab 2 cr</p> <p>FST 2622 HVAC/Control Systems Lab 2 cr</p> <p>FST 2632 HVAC Control Systems Theory 3 cr</p> <p>Goal 1 Written and Oral Communication 3 cr</p> <p>Any MNTC 3 cr</p> <p style="text-align: right;">Total Credits 17</p>	

Course descriptions can be found at: <https://www.rctc.edu/academics/courses/course-descriptions>.