

Facilities Maintenance Specialist (Pend. Approval)

ASSOC OF APPLIED SCIENCE

Major code: 2240

Department: Industrial Manufacturing and Controls

Chair: Justin Blazzard

Advising: Jackie Koehler 541-881-5865

PROGRAM OVERVIEW

The Facilities Maintenance Specialist Associate of Applied Science (AAS) program equips students with comprehensive skills for successful careers in facilities management and maintenance. Developed in collaboration with industry professionals, this program meets current workforce demands across commercial, healthcare, educational, and industrial sectors. Students gain practical knowledge in essential maintenance systems including electrical, mechanical, plumbing, HVAC/R, and building automation. The curriculum emphasizes hands-on troubleshooting, preventive maintenance strategies, and effective problem-solving techniques. Students develop proficiency in blueprint reading, safety protocols, and building code compliance. The program combines classroom instruction with extensive laboratory experience, providing students with both theoretical foundations and practical applications. Energy efficiency and sustainable maintenance practices are highlighted to address modern facilities management challenges. Graduates emerge job-ready with the technical expertise and professional skills needed to install, operate, maintain, and repair critical building systems while contributing to operational excellence in facilities management.

REQUIRED COURSES (92 CREDITS)

Courses are listed in suggested sequence.

YEAR 1

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- BCT 102	Introduction to Printreading.....	3
- BA 204	TEAMWORK DYNAMICS.....	3
- FMS 100	INTRO TO FACILITIES MAINTENANCE SYS. 2	2
- FMS 101	REFRIGERATION I.....	2
- FMS 102	REFRIGERATION II.....	2
- FMS 103	REFRIGERATION III.....	2
- FMS 111	REFRIGERATION ELECTRICAL I.....	2
- FMS 112	REFRIGERATION ELECTRICAL II.....	2
- FMS 113	REFRIGERATION ELECTRICAL III.....	2
- FMS 125	NATURAL GAS EQUIPMENT I.....	2
- FMS 210	BASIC HVAC/R INSTALL & TECHNIQUES.....	2
- INED 103	MECHANICAL SYSTEMS.....	3
- INED 111	PREVENTIVE MAINTENANCE/ENERGY CONSE.....	2
- INED 112	CONTROL SYSTEMS.....	3
- INED 212	INDUSTRIAL SAFETY & MANAGEMENT.....	3
- MATH 063	TECHNICAL MATH I.....	4
- WR 115	INTRO TO COLLEGE WRITING.....	4

YEAR 2

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- INED 280	INDUSTRIAL COOP WORK EXP.....	4
- INED 280	INDUSTRIAL COOP WORK EXP.....	4
- INED 280	INDUSTRIAL COOP WORK EXP.....	4
- FMS 119	WATER TREATMENT AND DISTRIBUTION.....	2
- FMS 122	INTRODUCTION TO BOILERS.....	3
- FMS 201	INTRODUCTION TO CHILLER SYSTEMS.....	3
- FMS 202	DIRECT DIGITAL CONTROL ADV. TECH.....	3
- FMS 204	HEAT PUMPS.....	3
- GSCI 104	PHYSICAL SCIENCE PHYSICS.....	4
- INED 100	INTRO TO AUTOMATION/RENEWABLE.....	3
- INED 157	EMPLOYMENT STRATEGIES.....	2
- MATH 093	TECHNICAL MATH II.....	4
- WELD 150	BASIC WELDING I.....	5
- WELD 160	BASIC WELDING II.....	5

Total number of credits..... 92