

ATTACHMENT A6
Plumbers APPRENTICESHIP PATHWAY TO A
TECHNICAL ASSOCIATE DEGREE
DATE SUBMITTED: 2/6/2016

College: Cuyahoga Community College

I. Plumbers Curriculum (30 credit hours recommended or 50% of degree)

The Plumbers Apprenticeship curriculum fulfills the 30 semester hour Technical requirement of a Technical Associate Degree.

ATPL 1000 Care and Use of Tools (2 credits)
ATPL 1010 Soldering and Brazing (2 Credits)
ATPL 1030 State of Ohio Plumbing Code I (2 Credits)
ATPL 1040 Plumbing Heritage (2 Credits)
ATPL 1060 Medical Gas (2 Credits)
ATPL 1070 Pipe Fittings, Valves, and Supports (2 Credits)
ATPL 1210 State of Ohio Plumbing Code II (2 Credits)
ATPL 1220 Gas Systems (2 Credits)
ATPL 1230 Water supply (2 Credits)
ATPL 2320 State of Ohio Plumbing Code III (2 Credits)
ATPL 2350 Electricity for Plumbers (2 Credits)
ATPL 2410 City and State Backflow Certification (2 Credits)
ATPL 2430 Trench and Excavation Safety/Confined Space (1 Credit)
ATPL 2440 City of Cleveland Plumbing License (1 credit)
ATPT 2340 Blueprints II: Advanced Reading and Estimating (2 Credit)
ATOM 2320 Blueprint Fundamentals-Construction (2 Credits)

Total: 30 Credit Hours

**Plumbers APPRENTICESHIP PATHWAY TO A
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College: Cuyahoga Community College

II. Non-Technical Curriculum (30 credit hours recommended or 50% of degree)	
Courses are to be from the following:	
A. General Education — At least one 3 hour semester course in each area for a total minimum of 15 semester hours.	
Area I.	English Composition/Oral Communication — 6 semester hour minimum ENG 1010 College Composition I or ENG 101H Honors College Composition I AND Communications Elective from Comm. subject areas as identified in our College Catalog
Area II.	Mathematics — 3 semester hour minimum MATH 1xxx 1000-level MATH course - Covered in Pipefitter curriculum, does not carry OTM transfer guarantee
Area III.	Arts & Humanities — 3 semester hour minimum Elective from Arts & Humanities OR Social & Behavioral Science subject areas as identified in our College Catalog
OR	
Area IV.	Social & Behavioral Science Elective from Arts & Humanities OR Social & Behavioral Science subject areas as identified in our College Catalog
Area V.	Natural Sciences/Physics — 3 semester hour minimum Elective from Natural & Physical Science area - Covered in Pipefitter curriculum, does not carry OTM transfer guarantee
Total: 15 Credit Hours	

Note: General Education courses can be taken before , concurrently, or after enrollment in the Plumbers Curriculum	
B. Basic Education Courses basic to the technical field and closely related to the technical specialty	Total: 17-18 Credit Hours
AIT 2990 Contracting In A Diverse World; 3 semester credits IT 1010 Introduction to Microcomputer Applications or IT 101H Honors Introduction to Microcomputer Applications; 3 semester hours BADM XXXX Business Elective or CNST XXXX CNST Elective; 3 semester hours BADM XXXX Business Elective or CNST XXXX CNST Elective or FIN 1061 Personal Finance; 3semester hours BADM XXXX Business Elective or CNST 1730 Construction Print Reading; 2-3 semester hours BADM 2xxx 2000 level Business Elective or CNST 2130 Construction Methods, Materials and Equipment; 3 semester hours	
Total Credit Hours for the degree: 60-61	

Signature: William D. Gary, Jr. Date: 6/14/16
 William Gary
 Executive Vice President, WEDD

Signature: Craig Foltin Date: 6/14/16
 Dr. Craig Foltin
 Chief Academic Officer

ATTACHMENT A5
Pipefitter APPRENTICESHIP PATHWAY TO A
TECHNICAL ASSOCIATE DEGREE
DATE SUBMITTED: 2/6/2016

College: Cuyahoga Community College

- I. Pipefitter Curriculum (30 credit hours recommended or 50% of degree)**
The Plumbers & Pipefitter Apprenticeship curriculum fulfills the 30 semester hour Technical requirement of a Technical Associate Degree.

ATOM 1340 OSHA Standards for the Construction Industry (3 credits)

ATPL 1000 Care and Use of Tools (2 credits)

ATPL 2510 Pumps (2 credits)

ATPL 2560 Foreman Certification (2 credits)

ATPF 1210 Rigging (2 credits)

ATPF 1220 Basic Pipefitting Layout (1 credit)

ATPF 1270 Sprinkler Drawings (4 credits)

ATPF 1360 Hydronic Heating and Cooling (2 credits)

ATPF 2340 Steam Systems (2 credits)

ATPF 2510 Sprinkler Fire Protection (2 credits)

ATPF xxxx Pipefitter Elective (2 credits)

ATPF xxxx Elective (1 credit)

ATPF xxxx Elective (1 credit)

ATPF xxxx Pipefitter Elective (2 credit)

AIT 2990 Contracting in a Diverse World 3 credits

Total: 31 Credit Hours

**Pipefitter APPRENTICESHIP PATHWAY TO A
TECHNICAL ASSOCIATE DEGREE
DATE SUBMITTED 2/6/2016**

College: Cuyahoga Community College

II. Non-Technical Curriculum (30 credit hours recommended or 50% of degree)	
Courses are to be from the following:	
A. General Education — At least one 3 hour semester course in each area for a total minimum of 15 semester hours.	
Area I.	English Composition/Oral Communication — 6 semester hour minimum ENG 1010 College Composition I or ENG 101H Honors College Composition I AND Communications Elective from Comm. subject areas as identified in our College Catalog
Area II.	Mathematics — 3 semester hour minimum MATH 1xxx 1000-level MATH course - Covered in Pipefitter curriculum, does not carry OTM transfer guarantee
Area III.	Arts & Humanities — 3 semester hour minimum Elective from Arts & Humanities OR Social & Behavioral Science subject areas as identified in our College Catalog
OR	
Area IV.	Social & Behavioral Science Elective from Arts & Humanities OR Social & Behavioral Science subject areas as identified in our College Catalog
Area V.	Natural Sciences/Physics — 3 semester hour minimum Elective from Natural & Physical Science area - Covered in Pipefitter curriculum, does not carry OTM transfer guarantee
Total: 15 Credit Hours	

Note: General Education courses can be taken before , concurrently, or after enrollment in the Pipefitter Curriculum

B. Basic Education Courses basic to the technical field and closely related to the technical specialty

Total: 14-15 Credit Hours

IT 1010 Introduction to Microcomputer Applications or IT 101H Honors Introduction to Microcomputer Applications; 3 semester hours
BADM XXXX Business Elective or CNST XXXX CNST Elective; 3 semester hours
BADM XXXX Business Elective or CNST XXXX CNST Elective or FIN 1061 Personal Finance; 3 semester hours
BADM XXXX Business Elective or CNST 1730 Construction Print Reading; 2-3 semester hours
BADM 2xx 2000 level Business Elective or CNST 2130 Construction Methods, Materials and Equipment; 3 semester hours

Total Credit Hours for the degree: 60-61

Signature:


William Gary
Executive Vice President, WEDD

Date:

6/14/16

Signature:


Dr. Craig Foltin
Chief Academic Officer

Date:

6/14/16

