

Institution: North Lake College
 CIP: 15.1001

FICE: 020774

APPROVED CURRICULUM

**CEU PLUMBING, PIPEFITTING AND HVAC CERTIFICATE
 2009-2010**

			<u>LEC.</u>	<u>LAB.</u>	<u>EXT.</u>	<u>CONT.</u>
			<u>HRS.</u>	<u>HRS.</u>	<u>HRS.</u>	<u>HRS.</u>
<u>SEMESTER I</u>						
CNBT	1001	Introduction to the Construction Industry	0	0	0	64
WLDG	1000	Introduction to Welding	0	0	0	64
DFTG	1033	Mechanical Drafting	0	0	0	64
PFPB	1050	Plumbing and Pipefitting Equipment and Safety	0	0	0	64
WLDG	1021	Welding Fundamentals	0	0	0	64
Total Hours:			0	0	0	320
<u>SEMESTER II</u>						
+Specialty Track Option			0	0	0	320
++Elective			0	0	0	64
Total Hours:			0	20	576	384
GRAND TOTAL:						704

+Specialty Track Option - Students must complete all of the courses listed under the option as cited below:

PLUMBING

DFTG	1013	Drafting for Specific Occupations	0	0	0	64
PFPB	1019	Commercial Plumbing I	0	0	0	64
PFPB	1023	Plumbing Codes I	0	0	0	64
PFPB	1025	Mechanics of Plumbing	0	0	0	64
PFPB	1053	Commercial Plumbing II	0	0	0	64

PIPEFITTING

HART	2041	Commercial Air Conditioning	0	0	0	64
HART	2043	Industrial Air Conditioning	0	0	0	64
WLDG	1017	Introduction to Layout and Fabrication	0	0	0	64
WLDG	2006	Intermediate Pipe Welding	0	0	0	64
WLDG	2053	Advanced Pipe Welding	0	0	0	64

ENVIRONMENTAL SYSTEMS

ELPT	1011	Basic Electrical Theory	0	0	0	64
HART	2041	Commercial Air Conditioning	0	0	0	64
HART	2043	Industrial Air Conditioning	0	0	0	64
PFPB	1009	Basic Plumbing/Pipefitting for HVAC	0	0	0	64
PFPB	2039	Commercial and Industrial System Start-Up	0	0	0	64

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++Electives--must be selected from the following:

DFTG	1009	Basic Computer-Aided Design	0	0	0	64
DFTG	1013	Drafting for Specific Occupations	0	0	0	64
ELMT	2039	Advanced Programmable Logic Controllers	0	0	0	64
ELPT	1011	Basic Electrical Theory	0	0	0	64
ELPT	1015	Electrical Calculations I	0	0	0	48
HART	1003	Air Conditioning Control Principles	0	0	0	64
HART	2034	Advanced Air Conditioning Controls	0	0	0	64
HART	2071	Commercial and Industrial Heating Systems	0	0	0	64
HYDR	1045	Hydraulics and Pneumatics	0	0	0	64
PFPB	1025	Mechanics of Plumbing	0	0	0	64
PFPB	1047	Backflow Prevention	0	0	0	64
PFPB	1048	Medical Gas	0	0	0	64
PFPB	1051	Commercial and Industrial Gas Installation	0	0	0	64
PFPB	1055	Industrial Plumbing	0	0	0	64
PFPB	2032	Advanced Pipefitting Standards, Specifications, and Installation	0	0	0	64
PFPB	2035	Commercial and Industrial Control Systems	0	0	0	64
PFPB	2036	Commercial Construction and Fixture Setting	0	0	0	64
PFPB	2039	Commercial and Industrial System Start-Up	0	0	0	64
PFPB	2057	Plumbing Codes II	0	0	0	64
WLDG	1053	Intermediate Layout and Fabrication	0	0	0	64
WLDG	2006	Intermediate Pipe Welding	0	0	0	64
WLDG	2053	Advanced Pipe Welding	0	0	0	64

The capstone for this program is the craft specific licensing exam.