

# MassHire CIS 360 Apprenticeships Module



DEPARTMENT OF  
CAREER SERVICES

# Log Into Your MassHire CIS 360 Account

**MassHire Career Information System** English Nathaniel

My Dashboard Self-Surveys Career Plan Careers Education Employment

## Explore Careers

There is a lot to consider when thinking about your future career. Explore different careers. Learn what people do, how much they earn, and how to prepare for a career. The more you know, the better career decisions you will make!

**Careers**   
Learn about job tasks, pay, education and more!

**Military Careers**   
Learn about military careers.

**TOP (Training Opportunity Program)**   
Collect unemployment benefits while attending full-time, approved training for new job skills.

**Massachusetts Apprenticeships**   
Find a registered Apprenticeship program in Massachusetts.

# Click Careers and then the Filter button

MassHire Career Information System English Nathaniel

My Dashboard Self-Surveys Career Plan **Careers** Education Employment

Careers List

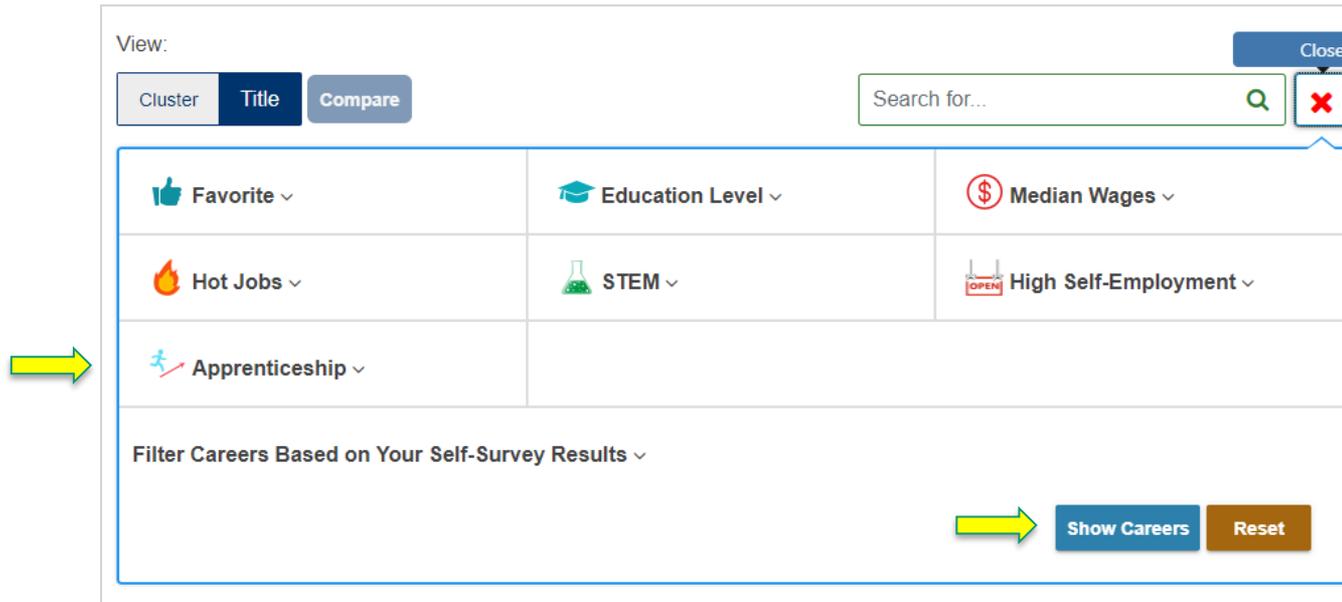


View:

Cluster Title Compare Search for... [Search] [Filter]

Careers	Favorite	Hot Jobs	STEM	Education Level	Wages
<input type="checkbox"/> Accountants and Auditors				4 Years	\$83,030
<input type="checkbox"/> Actors				2 to 3 Years	\$41,999
<input type="checkbox"/> Actuaries				4 Years	\$133,490
<input type="checkbox"/> Acupuncturists				5 or More Years	\$72,220
<input type="checkbox"/> Addictions Counselors				4 Years	\$52,410

# Click Apprenticeship then Show Careers



The screenshot shows a web interface for filtering careers. At the top, there are tabs for 'Cluster', 'Title', and 'Compare', with 'Title' selected. A search bar labeled 'Search for...' is on the right, with a magnifying glass icon and a red 'X' icon. Below the search bar is a grid of filter categories:

Favorite ▾	Education Level ▾	Median Wages ▾
Hot Jobs ▾	STEM ▾	High Self-Employment ▾
Apprenticeship ▾		

Below the grid is a section titled 'Filter Careers Based on Your Self-Survey Results ▾'. At the bottom right, there are two buttons: 'Show Careers' (blue) and 'Reset' (brown). A yellow arrow points to the 'Apprenticeship' filter, and another yellow arrow points to the 'Show Careers' button.

# Now you can search 250 Registered Apprenticeship careers/occupations

MassHire Career Information System English Nathaniel

My Dashboard Self-Surveys Career Plan **Careers** Education Employment

MASSHIRE

Careers List



View:

Cluster Title Compare

Search for...

Filter On:

Careers	Favorite	Hot Jobs	STEM	Education Level	Wages
<input type="checkbox"/> Accountants and Auditors				4 Years	\$83,030
<input type="checkbox"/> Actors				2 to 3 Years	\$41,999
<input type="checkbox"/> Addictions Counselors				4 Years	\$52,410
<input type="checkbox"/> Administrative Services and Facilities Managers				4 Years	\$115,920
<input type="checkbox"/> Aerospace Engineers				4 Years	\$132,340

# After selecting the career of interest, you can learn more about it.

The screenshot shows the MassHire Career Information System interface for the 'Boilermakers' career. The page features a navigation bar with options like 'My Dashboard', 'Self-Surveys', 'Career Plan', 'Careers', 'Education', and 'Employment'. Below the navigation, there are buttons for 'Compare', 'Careers List', and 'Export PDF'. A large image of a boilermaker in a blue hard hat and safety glasses is shown working on a boiler. Below the image, there are tabs for 'At a Glance', 'Job Description', 'Wages', 'Employment & Outlook', 'Education & Training', 'Personal Qualities', and 'Related Careers'. Three data cards are displayed: 'Wages' showing a bar chart with 'Above Average' and '\$107,360'; 'Education & Training' showing a bar chart with '2 to 3 Years'; and 'Employment Opportunities' showing a bar chart with 'Below Average' and '10 Jobs'. A descriptive paragraph states: 'Boilermakers build, install, and repair boilers. They also work on other large containers that hold liquids and gases.' Below this, there are three columns: 'Job Tasks' with a list of tasks, 'ca-reer' with synonyms (occupation, profession, job) and the 'Architecture and Construction' career cluster; and 'Work Setting' with a list of work environment details.

MassHire Career Information System English - Nathaniel -

My Dashboard Self-Surveys Career Plan Careers Education Employment

Boilermakers Compare Careers List Export PDF

Favorite Career

At a Glance Job Description Wages Employment & Outlook Education & Training Personal Qualities Related Careers

**Wages**  
Above Average  
\$107,360

**Education & Training**  
2 to 3 Years

**Employment Opportunities**  
Below Average  
10 Jobs

Boilermakers build, install, and repair boilers. They also work on other large containers that hold liquids and gases.

**Job Tasks**

- Examine boilers, tanks, and vats to find defects.
- Build and install boilers and other pressure vessels.
- Study blueprints. Mark reference points for placement of parts being assembled.
- Layout metal. Locate and mark bending and cutting lines.

**ca-reer**  
synonyms  
1. occupation  
2. profession  
3. job

Career Cluster  
Architecture and Construction

**Work Setting**

- Communicate on a daily basis by telephone and in face-to-face discussions. They may write emails and memos, but less frequently.
- Regularly wear hardhats, harnesses, protective clothing, safety glasses and shoes, and respirators.
- Must fully complete and be exact in their work. Errors could result in serious injury.

# Click Education & Training, expand Apprenticeship arrow, then click the underlined career

The screenshot displays the MassHire Career Information System interface. At the top, the header includes the system name, language options, and user information. Below the header, navigation tabs for 'My Dashboard', 'Self-Surveys', 'Career Plan', 'Careers', 'Education', and 'Employment' are visible. The main content area is titled 'Boilermakers' and features a large image of a worker in a blue hard hat. A yellow arrow points to the 'Education & Training' tab in the navigation bar. Below this, a list of sections is shown, with 'Apprenticeship' expanded. A yellow arrow points to the 'Apprenticeship' section header. The expanded 'Apprenticeship' section contains text describing the program and a link to 'Boilermakers' under the heading 'Learn about opportunities related to this career:'. A yellow arrow points to this link. Other sections like 'Preparation', 'Helpful High School Courses', 'Knowledge', 'Related Programs of Study', and 'Licensing/Certification' are listed below with collapse arrows.

# You will now be directed to the Apprenticeship USA website to learn more about apprenticeships.

APPRENTICESHIPUSA CAREER SEEKERS EMPLOYERS EDUCATORS RESOURCES ABOUT US RA ACAD Q

HOME / APPRENTICESHIP OCCUPATIONS / LISTINGS

BROWSE BY INDUSTRY SEARCH BY OCCUPATION

Search by Occupation

SEARCH

Learn more about how to use the information provided here

## Boilermakers

Print page Copy page link

Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries. Align structures or plate sections to assemble boiler frame tanks or vats, following blueprints. Work involves use of hand and power tools, plumb bobs, levels, wedges, dogs, or turnbuckles. Assist in testing assembled vessels. Direct cleaning of boilers and boiler furnaces. Inspect and repair boiler fittings, such as safety valves, regulators, automatic-control mechanisms, water columns, and auxiliary machines.

### Registered Occupation

ONET Title: Boilermakers  
ONET Code: 47-2011.00

### Alternative Occupations Titles:

Boiler Maker; Boiler Mechanic; Boiler Repairman; Boiler Service Technician; Boiler Technician; Boilermaker; Boilermaker Mechanic; Boilermaker Pipe Fitter; Boilermaker Welder; Service Technician; Boilermaker II; Boilermaker Fitter; Boilermaker I; Boilermaker Fitter; Boilermaker I; Boilermaker II; Boilerhouse Mechanic; Boilerhouse Mechanic

### Related Occupations:

Provided by O\*Net

- Registered Occupations
- Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
- Engine and Other Machine Assemblers
- Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters
- Millwrights
- Plumbers, Pipefitters, and Steamfitters
- Sheet Metal Workers
- Structural Iron and Steel Workers
- Structural Metal Fabricators and Fitters
- Welders, Cutters, Solderers, and Brazers
- Welding, Soldering, and Brazing Machine Setters, Operators, and

### Approved Occupations Titles

The occupation title(s) listed below have been vetted by industry and approved by the U.S. Department of Labor for use in a Registered Apprenticeship Program. In some instances, there may be more than one occupational title to select from based on specific employer feel and needs. Each title includes a set of occupational Work Process Schedules (WPS) that provide employers with an approved set of work activities and educational coursework to help you get started creating your program.

Open all Close all

- + Boilermaker II
- + Boilermaker Fitter
- + Boilermaker I
- + Boilerhouse Mechanic

### Work Activities

Below you will find typical work activities and tasks associated with this occupation. Apprenticeship program sponsors may use these and/or other work activities tailored for their needs when building the On-the-Job Training component of their apprenticeship program.

Open all Close all

- + Operate cranes, hoists, or other moving or lifting equipment
- + Signal equipment operators to indicate proper equipment positioning
- + Review blueprints or specifications to determine work requirements
- + Maintain mechanical equipment
- + Mark reference points on construction materials
- + Measure materials or objects for installation or assembly
- + Weld metal components