



# Connecticut Career Resource Network Update

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## CT DOL Funds \$4.7M for Manufacturing Training

The state Department of Labor (DOL) awarded \$4.7 million to the Northwest Regional Workforce Investment Board Manufacturing Industry Partnership and the Workforce Alliance Manufacturing Careers Partnership (WAMCP) who will find and train some of the thousands of jobless and underemployed youth and adults needed to replenish the state's strained manufacturing-employment pipeline.

The awards are part of the state-funded \$5 million Apprenticeship Connecticut initiative administered by DOL. Workforce Alliance said its award will allow for the expansion of Skill Up for Manufacturing, which has already launched two five-week cycles in 2019 and has another class beginning May 6 at Gateway Community College in New Haven.

Full article is available at <http://www.hartfordbusiness.com/article/20190410/NEWS01/190419994/ct-dol-funds-47m-for-mfg-training>

**Connecticut Career Resource Network (CCRN) UPDATE Spring/Summer 2019**

**CCRN Program Director:**  
Andrew Condon, Ph.D.

**CCRN Program Manager:**  
Jessy George

Phone: 860-263-6267  
Fax: 860-263-6263  
Email: [ccrn@ct.gov](mailto:ccrn@ct.gov)  
<http://www1.ctdol.state.ct.us/lmi/ccrn.asp>

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Explore the world of education and training in Connecticut. Search for the schools or training program that matches your interests by:

- Location
- Program or Course
- Occupation
- Name of School or Training Provider

## *Save the dates:*

### **Connecticut Learns and Works Breakfast Symposium Series**—Offer Opportunities to Explore Local Workforce Issues

CT Learns and Works symposiums are geared for educators, counselors, employment and training specialists and business people interested in career and workforce development issues, returns this spring with events offered in Hartford and Norwich and at three other locations in the fall. These events are free of charge and take place from 8 to 11:45 a.m. Networking and continental breakfast begins at 7:30 a.m.

Spring 2019: Friday, April 26, 2019—Capital Community College, 950 Main Street, Hartford.

Friday, May 17— Three Rivers' Community College, 574 New London Turnpike, Norwich.

Panel discussion topics include Digital Badging, Fast Track Certificates, Industry Recognized Credentials, Labor Market Information, Transformational Workforce, Emerging Trends in Industry, and Women in STEM. Patrick Flaherty, Assistant Director of Research at the Connecticut Department of Labor, guest speaker at both symposiums, will provide an overview of state and national labor market information.

Fall 2019: Friday, October 4: Naugatuck Valley Community College, Waterbury

Friday, October 25: Manchester Community College, Manchester

Friday, November 8: Northwest Community College, Winsted

### **Hartford Area Ranked 4th in U.S. for Female Entrepreneurs**

The Hartford-West Hartford-East Hartford metropolitan area is the fourth best region in the nation for female entrepreneurs, according to a new analysis of U.S. Census Data.

The data highlights for Hartford include:

- Percentage of startups that are female-owned: 30.8%
- Number of female-owned startups: 498
- Employees at female-owned startups: 3,547 (out of 10,130 startups)
- Gross sales/receipts of female-owned startups: \$150-\$500 million

At a national level, the highest percentage of women-owned startups are in healthcare, as well as educational services, while agriculture and construction have the lowest percentages, according to the data.

Over the past 20 years (1997–2017), the number of women-owned businesses has grown 114% compared to the overall national growth rate of 44% for all businesses.

Full article is available at: <https://ctbythenumbers.news/ctnews/hartford-area-ranked-4th-in-us-for-female-entrepreneurs>

## Coming soon:

### [Updated Connecticut Career Paths](#)

The popular *Connecticut Career Paths* publication, a must-have resource for jobseekers, students and career counselors, is being updated. The current edition can be found on the CT Department of Labor's website at [www.ct.gov/dol](http://www.ct.gov/dol) under the "Labor Market Information" page. The new edition will be printed by summer with a September delivery to the educational institutions across the State. They will be provided to high schools, higher education facilities, and private schools.

Choosing a career is one of the most important decisions we make in life. This publication is created to provide you with all the information you need on skills and training to prepare yourself for a successful career in one of the many occupations available in our state's workforce. Filled with valuable labor data and information, the publication is designed to assist as a personal guide to making employment and career decisions. Topics addressed in the publication include choosing a career, strategies in financing college, and available programs and resources that can help people with their career choices. Occupational descriptions, number of individuals employed in a field, annual job openings, salary information, training required, education and training sites, and basic skills employers require are highlighted in the publication.

The free publication combines resources of Departments of Labor and Education with those of the Connecticut Career Resource Network. Please contact the CTDOL Office of Research at (860) 263-6275 or [ccrn@ct.gov](mailto:ccrn@ct.gov) for copies or download the PDF version at: <https://www1.ctdol.state.ct.us/lmi/careerpaths.asp>.

### [Connecticut Occupational Employment and Wage](#)

The Connecticut Occupational Employment and Wage data provides employment and wage data by occupation and is based on the results of the Occupational Employment Statistics (OES) survey. The OES program conducts a bi-annual mail survey designed to produce estimates of employment and wages for over 800 occupations.

These are estimates of the number of people employed in certain occupations, and estimates of the wages paid to them. These estimates are available for the nation as a whole, for individual States, and for metropolitan areas. National occupational estimates for specific industries are also available.

<http://www1.ctdol.state.ct.us/lmi/wages/default.asp>

### [Important Unemployment News](#)

- To file for unemployment benefits in Connecticut at: <http://www.ctdol.state.ct.us/UI-OnLine/index.htm>.
- Download the ***Claimant's Guide to Unemployment Insurance*** at: <http://www.ctdol.state.ct.us/progsupt/unemplt/claimant-guide/uc-288.pdf>.

*"To give real service, you must add something which cannot be bought or measured with money, and that is sincerity and integrity."* –Douglas Adams

## Occupational Outlook Handbook

The *Occupational Outlook Handbook* (OOH) provides information on what workers do; the work environment; education, training, and other qualifications; pay; the job outlook; information on state and area data; similar occupations; and sources of additional information.

Many occupations and job titles are covered in the Occupational Outlook Handbook (OOH). To find more about an occupation you are interested in, look under the A–Z index, using similar occupational titles. The OOH can help you find career information on duties, education and training, pay, and outlook for hundreds of occupations. For more information, please visit <https://www.bls.gov/ooh/>.

### Career Outlook: Physicists and Astronomers

Physicists and astronomers study the ways in which various forms of matter and energy interact. They typically need a Ph.D. for jobs in research and academia. However, physicist jobs in the federal government typically require a bachelor's degree in physics. After receiving a Ph.D. in physics or astronomy, many researchers seeking careers in academia begin in temporary postdoctoral research positions.



### Education

A Ph.D. in physics, astronomy, or a related field is needed for jobs in research or academia or for independent research positions in industry. Graduate students usually concentrate in a subfield of physics or astronomy, such as condensed matter physics or cosmology. In addition to taking courses in physics or astronomy, Ph.D. students need to take courses in math, such as calculus, linear algebra, and statistics. Computer science classes also are essential, because physicists and astronomers often develop specialized computer programs that are used to gather, analyze, and model data.

### Pay

The median annual wage for astronomers was \$105,680 in May 2018.

The median annual wage for physicists was \$120,950 in May 2018.

### Job Outlook

Overall employment of physicists and astronomers is projected to grow 14 percent from 2016 to 2026, faster than the average for all occupations.

Physicists are projected to have employment growth in scientific research and development services, educational services, and healthcare and social assistance. The fast growth will result in only about 2,800 new jobs over the 10-year period for physicists and astronomers.

### Similar Occupations

	<u>Education</u>	<u>Pay</u>
Biochemists and Biophysicists	Doctoral/Professional degree	\$ 93,280
Chemists and Materials Scientists	Bachelor's degree	\$ 78,330
Computer and Information Research Scientists	Master's degree	\$118,370
Computer Hardware Engineers	Bachelor's degree	\$114,600
Electrical and Electronics Engineers	Bachelor's degree	\$ 99,070

Source: <https://www.bls.gov/ooh/life-physical-and-social-science/physicists-and-astronomers.htm#tab-1>