CT’s BioScience Talent Pipeline

Health Data Collaborative Working Group
February 26, 2018
2017 Total Bachelor’s Degrees Awarded in Key Disciplines that Support the Bioscience Pipeline, by CIP Code & Sector

Source: IPEDS

- For-profit
- UCONN
- CT State Universities
- CCIC Member Institutions

Disciplines:
- Engineering
- Computer and Information Sciences and Support Services
- Genomic Medicine
- Health Professions and Related Programs
- Biological and Biomedical Sciences
2017 Biological and Biomedical Sciences Bachelor Degrees Awarded by Sector

Source: IPEDS

- CCIC Member Institutions: 48%
- UConn: 33%
- CT State Universities: 18%
- For-profit: 1%
Biology Bachelor's Degrees Awarded (12-13) vs. Number of Students Working in CT Eight Quarters Post Graduation (CIP 26)

- **Total Biology Degrees**
- **Working in State Q8**

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### Yale University
- Total Biology Degrees: 143
- Working in State Q8: 7

### Trinity*
- Total Biology Degrees: 50
- Working in State Q8: 20

### University of Hartford*
- Total Biology Degrees: 18
- Working in State Q8: 11

### University of Saint Joseph
- Total Biology Degrees: 205
- Working in State Q8: 122

### CSCUs
- Total Biology Degrees: 381
- Working in State Q8: 176

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Additional Bachelor's degrees awarded by CT Institutions of higher ed for which no labor data is available = 385

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* Number working in state is suppressed due to cell size of less than six.
** UConn data is Q3
2012-17 Health Profession Completions by Degree Type in Connecticut

- Doctor's
- Master's
- Bachelor's
- Associate's

2012-17 Total Health Profession Completions in Connecticut

2012: 5095
2013: 5551
2014: 6050
2015: 6396
2016: 6731
2017: 7329
2017 Health Professions Bachelor Degrees Awarded by Sector

- CCIC Member Institutions: 54%
- UCONN: 25%
- CT State Universities: 19%
- For-profit: 2%
2012-13 Health Professions Bachelor's Degrees Awarded vs. Number of Students Working in CT Eight Quarters Post Graduation (CIP 51)

- Total Health Professions and Related Programs Degrees
- Working in State Q8

Additional Bachelor's degrees awarded by CT Institutions for which no labor data is available = **401**

* Number working in state is suppressed due to cell size of less than six.
** UConn data is Q3
2012-17 Genomic Medicine Completions by Degree Type in Connecticut

2012-17 Total Genomic Medicine Completions in Connecticut
2017 Genomic Medicine Bachelor Degrees Awarded by Sector

- CCIC Member Institutions: 41%
- UCONN: 59%
2012-17 Computer Science Completions by Degree Type in Connecticut

- Doctor's
- Master's
- Bachelor's
- Associate's

2012-17 Total Computer Science Completions in Connecticut

- 2012: 566
- 2013: 561
- 2014: 639
- 2015: 798
- 2016: 1253
- 2017: 1278
Computer and Information Sciences and Support Services
2017 Bachelor Degrees Awarded by Sector

CCIC Member Institutions 44%
CT State Universities 39%
UCONN 17%
2012-13 Computer and Information Sciences and Support Services Bachelor's Degrees Awarded vs. Number of Students Working in CT Eight Quarters Post Graduation (CIP 11)

- Total CIS Degrees
- Working in State Q8

Additional Bachelor's degrees awarded by CT Institutions for which no labor data is available = 99

- Yale University*
  - Total CIS Degrees: 22
  - Working in State Q8: 7
- University of Hartford*
  - Total CIS Degrees: 7
  - Working in State Q8: 4
- Trinity*
  - Total CIS Degrees: 4
  - Working in State Q8: 17
- CSCUs
  - Total CIS Degrees: 92
  - Working in State Q8: 74
- UConn**
  - Total CIS Degrees: 17
  - Working in State Q8: 10

* Number working in state is suppressed due to cell size of less than six.
** UConn data is Q3
2012-17 Engineering Completions by Degree Type in Connecticut

- Doctor's
- Master's
- Bachelor's
- Associate's

2012-17 Total Engineering Completions in Connecticut

- 2012: 1533
- 2013: 1615
- 2014: 1601
- 2015: 1786
- 2016: 2276
- 2017: 2475
2017 Engineering Bachelor’s Degrees Awarded by Sector

- CCIC Member Institutions: 39%
- UCONN: 56%
- CT State Universities: 5%
2012-13 Engineering Bachelor's Degrees Awarded vs. Number of Students Working in CT Eight Quarters Post Graduation (CIP 14)

Additional Bachelor's degrees awarded by CT Institutions for which no labor data is available = 243
2017 Bachelor’s & Master’s Degree Completions: CT, MA & NY

- Engineering Master's degree
- Engineering Bachelor's Degree
- Biological & Biomedical Sciences Master's degree
- Biological & Biomedical Sciences Bachelor's degree
- Genetics Bachelor's degree
- Genetics Master's degree
- Gene/Genetic Therapy Bachelor's degree
- Computer & Information Sciences & Support Services Master's degree
- Computer & Information Sciences & Support Services Bachelor's degree