

# Program Overview

Environmental Studies in 3 States

EMSI Q3 2015 Data Set

December 2015

## South Central Michigan Works!



21 Care Drive  
Hillsdale, Michigan 49242  
517.437.0990

# Parameters

## Programs

Code	Description
03.0103	Environmental Studies

## Regions

Code	Description
18	Indiana
26	Michigan
39	Ohio

## Completions Year

2013

## Jobs Timeframe

2013 - 2020

## Datarun

2015.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

## Program Summary for Environmental Studies

50

Regional Institutions

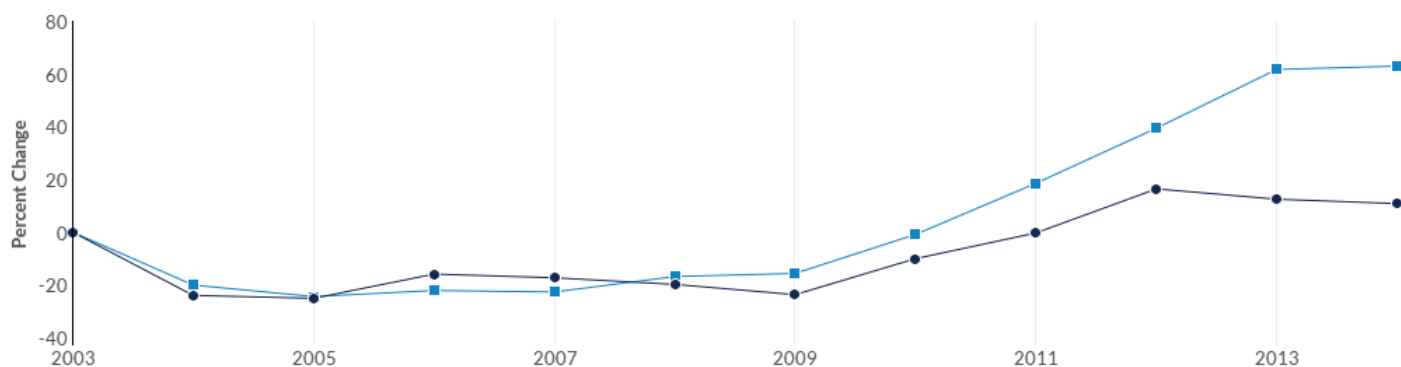
404

Regional Program Completions (2013)

478

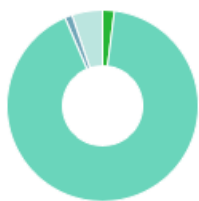
Annual Openings (2013)

### Regional Trends



Region	2003 Completions	2013 Completions	% Change
● Region	359	404	12.5%
■ Nation	4,801	7,765	61.7%

## Regional Completions by Award Level



Award Level	Completions (2013)	Percent
Associates degree	8	2.0%
Bachelors degree	370	91.6%
Postbaccalaureate certificate	5	1.2%
Masters degree	21	5.2%
Award of less than 1 academic year	0	0.0%
Award of at least 1 but less than 2 academic years	0	0.0%
Award of at least 2 but less than 4 academic years	0	0.0%
Post-masters certificate	0	0.0%
Doctors degree	0	0.0%

## Regional Completions by Institution

Institution	Certificates (2013)	Degrees (2013)	Total Completions (2013)
University of Michigan-Ann Arbor	0	128	128
Oberlin College	0	41	41
Western Michigan University	0	31	31
University of Cincinnati-Main Campus	0	25	25
Michigan State University	0	24	24
Denison University	0	22	22
Cleveland State University	0	12	12
Northern Michigan University	0	12	12
Miami University-Oxford	0	12	12
Hiram College	0	11	11
Central Michigan University	0	9	9
Ohio University-Main Campus	5	9	14
Case Western Reserve University	0	7	7
Ohio Wesleyan University	0	7	7
Manchester University	0	6	6
Earlham College	0	5	5
University of Toledo	0	5	5
Stark State College	0	5	5
Calvin College	0	5	5
Aquinas College	0	4	4
Alma College	0	4	4
Marietta College	0	3	3
Ohio Northern University	0	3	3
University of Rio Grande	0	3	3
Washington State Community College	0	2	2
University of Evansville	0	2	2
Ohio State University Agricultural Technical Institute	0	1	1
Eastern Michigan University	0	1	1

Union Institute & University Institution	Certificates (2013)	Degrees (2013)	Total Completions (2013)
Heidelberg University	0	0	0
Lourdes University	0	0	0
Sinclair Community College	0	0	0
Owens Community College	0	0	0
Youngstown State University	0	0	0
Ohio State University-Main Campus	0	0	0
University of Akron Main Campus	0	0	0
Goshen College	0	0	0
Hanover College	0	0	0
Huntington University	0	0	0
University of Indianapolis	0	0	0
Indiana University-Bloomington	0	0	0
Marian University	0	0	0
University of Saint Francis-Fort Wayne	0	0	0
Adrian College	0	0	0
Antioch College	0	0	0
Andrews University	0	0	0
Henry Ford Community College	0	0	0
Lake Superior State University	0	0	0
University of Michigan-Dearborn	0	0	0
Olivet College	0	0	0

## Similar Programs

<div>4</div> <div>Programs (2013)</div>		<div>580</div> <div>Completions (2013)</div>
CIP Code	Program	Completions (2013)
03.0104	Environmental Science	481
41.9999	Science Technologies/Technicians, Other	96
40.0509	Environmental Chemistry	3
41.0399	Physical Science Technologies/Technicians, Other	0

## Target Occupations

<div>8,967</div> <div>Jobs (2015)</div> <div>22% <b>below</b> National average</div>	<div>+12.3%</div> <div>% Change (2013-2020)</div> <div>Nation: +13.4%</div>	<div>\$26.66/hr</div> <div>Median Hourly Earnings</div> <div>Nation: \$28.74/hr</div>
--	---	---

Occupation	2013 Jobs	Annual Openings	Median Hourly Earnings	Growth (2013 - 2020)	Location Quotient (2013)
Environmental Scientists and Specialists, Including Health	5,746	268	\$30.39/hr	+10.29%	0.72
Environmental Science and Protection Technicians, Including Health	2,860	193	\$19.30/hr	+16.36%	0.96

## Growth

8,606

2013 Jobs

9,666

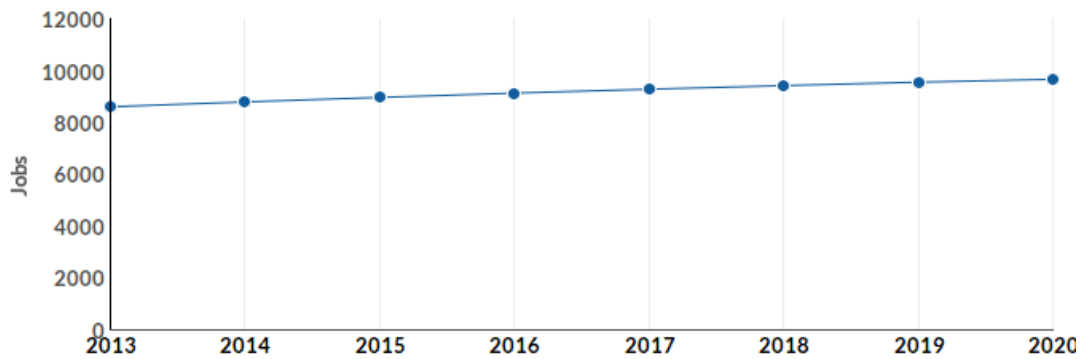
2020 Jobs

1,059

Change (2013-2020)

12.3%

% Change (2013-2020)



Occupation	2013 Jobs	2020 Jobs	Change	% Change
Environmental Scientists and Specialists, Including Health (19-2041)	5,746	6,337	591	10%
Environmental Science and Protection Technicians, Including Health (19-4091)	2,860	3,328	468	16%



## Percentile Earnings

**\$20.80/hr**

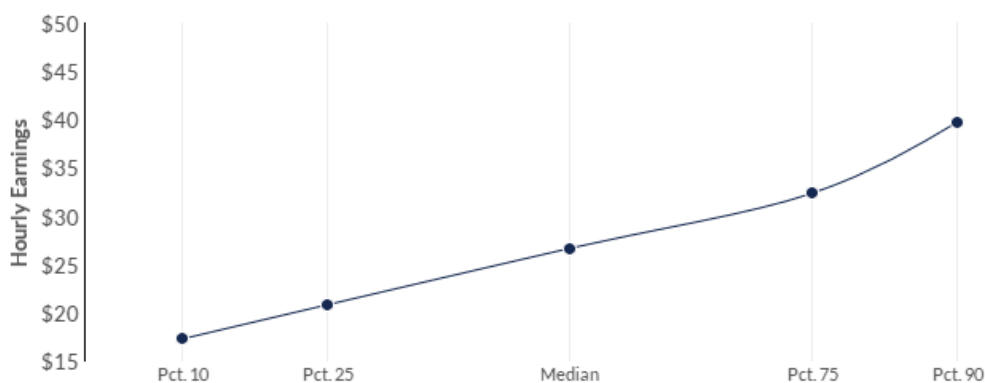
25th Percentile Earnings

**\$26.66/hr**

Median Earnings

**\$32.37/hr**

75th Percentile Earnings



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Environmental Scientists and Specialists, Including Health (19-2041)	\$23.36	\$30.39	\$36.52
Environmental Science and Protection Technicians, Including Health (19-4091)	\$15.77	\$19.30	\$24.18

# Appendix A - Data Sources and Calculations

## Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

## Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

## State Data Sources

This report uses state data from the following agencies: Indiana Department of Workforce Development; Michigan Department of Labor and Economic Growth, Bureau of Labor Market Information and Strategic Initiatives; Ohio Department of Job and Family Services, Labor Market Information Division