

CAREER PLANNING GUIDE



NORTH IOWA AREA COMMUNITY
COLLEGE

WE WANT TO HELP YOU SUCCEED.

Whether your goal is to transfer to a four-year university or get started on a career path right away, we'll help you get there.

You are more than just a number at NIACC. Small class sizes, engaged faculty, low tuition rates, high career placement rates, and a culture of student success across the campus, ensure you'll be supported every step of the way.

Spend some time on campus and we think you'll agree that NIACC should be *your first choice*.

Online. >> www.niacc.edu

Head to our website; it is full of information on programs, transfer options, careers, scholarships, and financial aid that will give you a sense of what we will do for you at North Iowa Area Community College.

Visit Us. >> www.niacc.edu/visit

Visiting the North Iowa Area Community College (NIACC) campus or center is more than just seeing-it is experiencing what the college has to offer. Come experience NIACC and see how we will help you succeed.

Explore! >> Explore is our premier visit experience and is held during the fall. This even gives high school students a chance to really experience our programs and our campus.

Hands on activities, demonstrations, and simulations, led by NIACC instructors and area employers, kick-off the day. You'll have the opportunity to check out the campus, win great prizes, and enjoy lunch -- on us!

The visit is capped off by a FREE CONCERT by a popular band or artist. It's a great way to see what NIACC has to offer and have some fun!

Busting Out Blue >> Busting Out Blue is a fun Saturday visit held in the spring in conjunction with NIACC Trojans basketball games. Students will arrive one hour prior to the women's game to learn about NIACC and the academic programs available. In between games, students will tour housing to see how our new housing facility can provide the perfect place to stay on campus. After the men's game, students are invited to an activity in the Auditorium sponsored by the NIACC Student Senate.

Each attendee will receive a free-shirt and have a chance to win great prizes like a TV, wireless headphones or a tablet.

Virtual Tour. >> niacc.college-tour.com

Apply. >> www.niacc.edu/apply

Submitting your application is easy and free.





Table of Contents

Transfer.....	02	Finance	25
Non-Traditional Careers	03	Health Science	28
How to Use this Guide	04	Human Services	31
Resources	05	Information Technology	34
Graduate Cluster to Industry Sector	06	Law, Public Safety, Corrections, and Security	37
Employment Information.....	07	Manufacturing.....	40
Career Planning.....	08	Marketing, Sales, and Service	43
Agriculture, Food, and Natural Resources	10	Science, Technology, Engineering, and Mathematics.....	46
Architecture and Construction.....	13	Transportation, Distribution, and Logistics.....	49
Arts, Audio/Video Technology, and Communications....	16	Regional In-Demand Occupations.....	52
Business, Management, and Administration	19	County Information	53
Education and Training	22	Notes.....	57



Your Success is Our #1 Priority

You'll find life on the NIACC campus engaging and fun with support around every corner. We are here to help you succeed.

>> www.niacc.edu/student-life

Student Learning Center.

A place for individual students or groups to study with resources close at hand. Students may drop in for help or make an appointment with an instructor or peer tutor for assistance in most subject areas. We will help you with study strategies, test taking tips, and note taking systems.

Counseling and Advising.

NIACC students have access to many services, at no charge, including personal counseling, academic and transfer advising, student support services, disability services, vocational rehabilitation services, and screenings.

Career Counseling and Employment Center.

Students receive free individual career counseling to help them identify their overall career direction and educational goals. We provide assistance completing applications, developing cover letters and resumes, interview preparation, and much more.

Job Postings.

At NIACC, we help our graduating students, alumni and area residents connect with businesses who are searching for employees. We have an active list of current job openings that businesses have shared with us.

Life on Campus.

Sporting events, musicals, bingo, magicians, and bowling are just a few of the events you can attend at NIACC. You'll find fun and interesting activities everywhere you go.

Clubs and Organizations.

More than 40 recreational, intellectual and social activities will make your college experience even more memorable. Join the club!

Campus View Student Housing Complex.

Located on the North end of campus, our new student housing complex is surrounded by beautiful lakes complete with a shelter house and a recreational trail into town. The grounds also include basketball, sand volleyball, and tennis courts.

GOAL:

Attend a four-year College or University.

North Iowa Area Community College offers Associate of Arts and Associate of Science Degrees:

- Equivalent to the first two years of a bachelor's degree.
- Designed to transfer to a four-year college or university where you can continue your education goals.

North Iowa Area Community College offers course options to match your career and educational interests including but not limited to agriculture, animal science, business administration, communication, criminal justice, early childhood, education, human services, industrial technology, teacher education, and psychology.

Your dedicated academic advisor will work closely with you to ensure the award transfers to the college or university of your choice.

LEARN MORE.
www.niacc.edu/transfer

Non-Traditional Careers*

GENDER ON THE JOB

Career exploration is serious business. As you survey different career options, you may feel discouraged from following certain paths because you are a female or because you are a male. Take note when this happens! Gender stereotypes are actually what contribute to the under-representation of women and men in many occupations. These stereotypes or biases often occur unconsciously. Your career planning process must be informed, thoughtful, and open-minded.

Use the following tips to help you stay informed on your career journey:

- » Accept no limits. Your career choice is based on your interests and determination to develop skills. It should not be based on gender stereotypes. Value your dreams and aspirations.
- » You will possibly spend 50+ years working. Make an informed decision based on job opportunities and interests, and choose something you will enjoy. Learn the standards of performance and the skill set required for an occupation. Remember, you are not expected to have all the skills before you start working. That's why North Iowa Area Community College is here!
- » Seek out mentors in non-traditional occupations and look for shadowing or volunteer opportunities in these areas. This will help you make informed decisions and develop a support system. If you need a hand with this, seek help from staff at your high school, Southeastern Community College, or your parents.
- » When both men and women work in the same industry, that industry becomes stronger and is more representative of our world as a whole. Both genders bring unique experiences, perspectives, and skill sets to an occupation.
- » It takes courage to stand up and break tradition; but it's your life and you are in charge.

**Non-traditional careers are occupations in which one gender comprises less than 25 percent of all individuals employed in that field.*

Sample Non-Traditional Careers for Men

Health Information Technology
Nurse
Elementary Teacher
Cosmetologist
Administrative Assistant
Veterinary Technician

Sample Non-Traditional Careers for Women

Architect
Carpenter
Electrician
Mechanic
Engineer
Welder



How to Use this Guide

Planning for the future will help you make good choices for class selection in high school and prepare you for college and a successful career.

Prior to using this guide, it is recommended you complete a career interest inventory. Ask your counselor about taking one, or complete one online at www.iowacareercoach.gov/#action=loadCareerAssessmentIntro. Completing an inventory will assist you in narrowing down the education and career choices provided in this guide to those that best suit your interests and abilities.

Career Clusters™

There are 16 national Career Clusters™, which link what is learned in school with the knowledge and skills that are needed for success in college and a career. These 16 Career Clusters™, defined throughout this guide, assist in planning for the future by identifying pathways from high school to two- and four-year colleges, graduate school and the workplace.



Look for this symbol to indicate which career cluster you are in.

Note: This guide intentionally omits the Government and Public Administration and the Hospitality and Tourism clusters, so it includes complete information on 14 clusters throughout. For more information on the Government and Public Administration cluster, please visit: www.careertech.org/government.

Career Pathways

There are 14 national Career Clusters™ that are broken down further into smaller subsets of occupations or pathways in this report. When you see this symbol and text, » **Sample Careers**, you will know you are exploring career pathways in the guide. Career Pathways are grouped around common knowledge or skills needed for career success. Career Pathways can be used to further explore careers within the Career Clusters™ that interest you.

Each Career Cluster™ section includes:

- Top cluster occupations by annual growth rate in Iowa
- Potential career pathways within each cluster
- Sample careers for each pathway
- North Iowa Area Community College programs available for each pathway
- Suggested high school courses

Career Planning Worksheets

The “Career Planning” worksheet available on pages 8-9 of this guide and online at <https://niacc.emsicareercoach.com> will help get you started using the guide. It is also a great idea to review this guide and complete the worksheet with a parent, career counselor, or teacher. Finally, don’t forget to take advantage of the many online resources available to help guide your career planning. Page 5 includes some good resources to get you started!

Resources

North Iowa Area Community College » www.niacc.edu » www.facebook.com/myniacc

Learn more about the possible college programs that interest you at www.niacc.edu/academics.

NIACC Career & Employment Center » www.niacc.edu/careerservices

The NIACC Career and Employment Center provides career planning and job search assistance to NIACC students before and after graduation. They can help you find local employment, perfect your resume, and polish up your job seeking and employment skills.

NIACC Career Link » www.niacc.edu/careerlink » www.niacc.edu/career-connections

Take college courses while in high school. Career Link provides credits to meet your high school graduation requirements, as well as requirements for two- and four-year degrees. All tuition and textbook fees are paid through an agreement between your local high school and North Iowa Area Community College.

Career and Technical Education (CTE) » www.careertech.org

Explore the knowledge and skills required for each Career Cluster™ and Pathway, find sample education plans, view brochures for each Career Cluster™ and more.

Career and Technical Education (CTE) Interest Survey » www.careertech.org/student-interest-survey

Use this interest survey to determine top clusters for students to explore. Available in English and Spanish.

Elevate Advanced Manufacturing » www.elevateiowa.com

Consider a career in manufacturing in Iowa! Educators and students should use this resource to explore the amazing opportunities available in Iowa through the advanced manufacturing field.

Iowa Career Coach » www.iowacareercoach.gov

Iowa's Career Coach is a career exploration tool that allows users to research careers (by tasks, typical education, wages, and employer demand), find training providers, create a resume, and connect to job opportunities.

Iowa Workforce Development » www.iowaworkforcedevelopment.gov

Provides job outlook and wage data, as well as information on offerings at your local IowaWORKS office.

Labor Market Information » www.iowalmi.gov

Find out about the current workforce, employment, and economy status in Iowa. Go to:

www.iowaworkforcedevelopment.gov/occupational-projections for detailed information on the estimated activity for each occupation in areas of employment, new jobs, replacements, total annual openings, and current wages.

Mapping Your Future » www.mappingyourfuture.org

Explore careers no matter what stage you are in your planning process. This resource includes sections for middle/high school, undergraduate, graduate, student loan borrowers, parent, and middle/high school counselors.

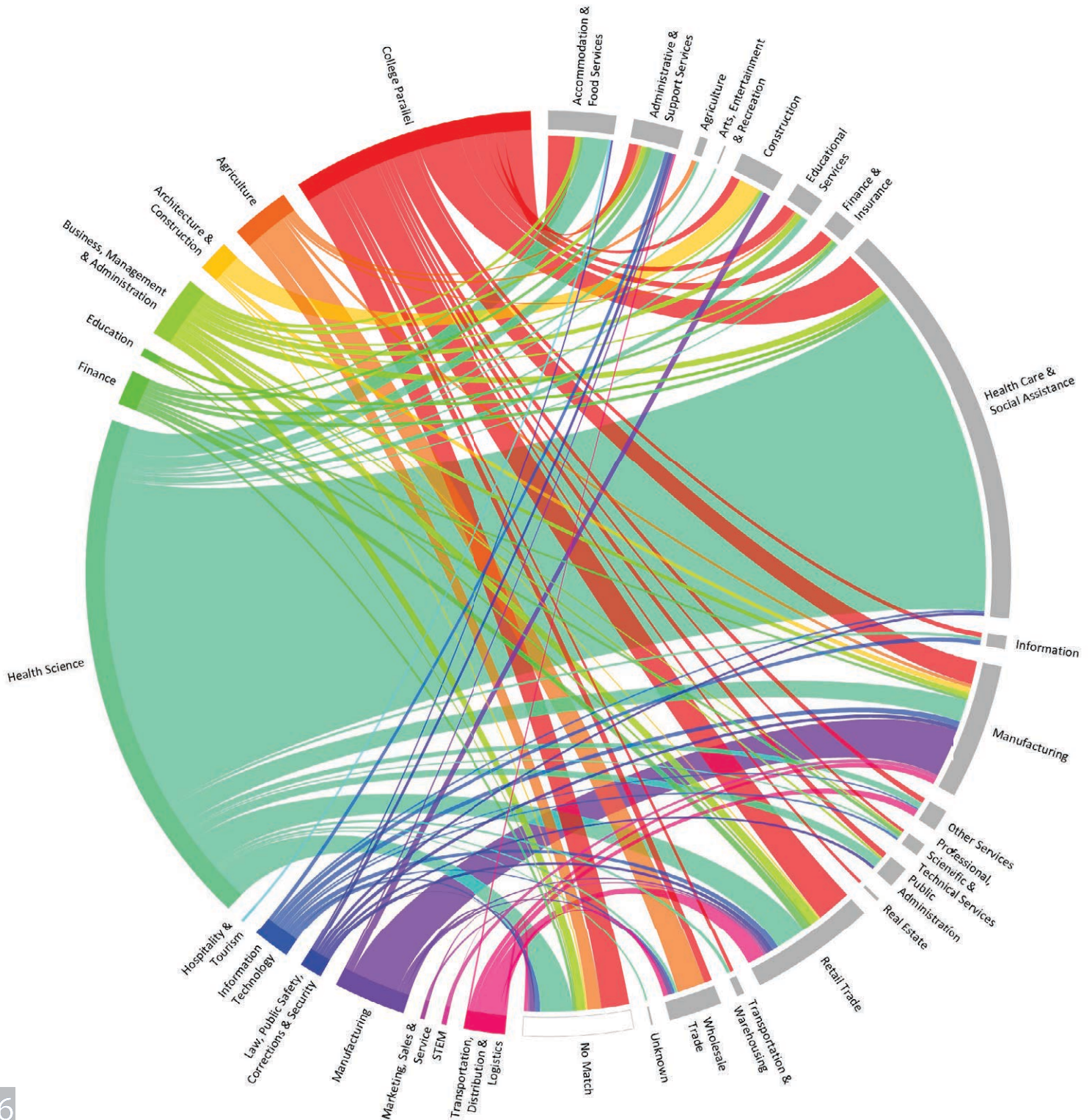
O*Net OnLine » www.onetonline.org

There are many ways to explore careers on this website! Find occupations by Career Cluster™ or sort by Career Pathway.

Graduate Cluster to Industry Sector

The diagram below shows where NIACC graduates enrolled in particular career clusters found employment after graduation (the “no match” section corresponds to those graduates who did not match wage records). Students who chose the college parallel (transfer) cluster and the health science career cluster represent the largest portion of 2011-2015 NIACC graduates, which explains why the red and green sections on the diagram are so wide. The chart shows trends in employment of graduates at a glance; for example, while the majority of health science graduates obtained employment within the health care and social assistance industry; business, management, and administration graduates, by contrast, found employment in nearly every industry, including manufacturing and health care and social assistance.

Cluster to Industry Mapping for AY11 - AY15 NIACC Graduates



Employment Information

The Iowa Workforce Development (IWD) Region 2 (Cerro Gordo, Floyd, Franklin, Hancock, Mitchell, Winnebago, and Worth counties) Career Cluster™ analysis provides detailed information on benefits offered, wages, skills required, and employment growth within each Career Cluster™. This information is provided to further assist in career planning while using this guide.

Career Clusters™ are a break in the tradition of thinking about the labor market in terms of industries and occupational groups. Whereas industries revolve around a similar product group and occupational groups focus on similar roles, Career Clusters™ more directly identify the knowledge and skills needed to follow a pathway toward career goals and provide a context for exploring the many occupational options available. Traditional occupational groups may include jobs with similar responsibilities but on widely disparate career paths, while Career Clusters™ group jobs more directly related to their career pathways across multiple industries.

Students, parents, and educators can use Career Clusters™ to help focus educational planning towards obtaining the necessary knowledge, competencies, and training for success in a particular career pathway across multiple industries.

Employers can use the Career Clusters™ information to compare benefits and employment growth for the groups in which they hire. The information can be a powerful tool to assess competitiveness and business strategy for future hiring.

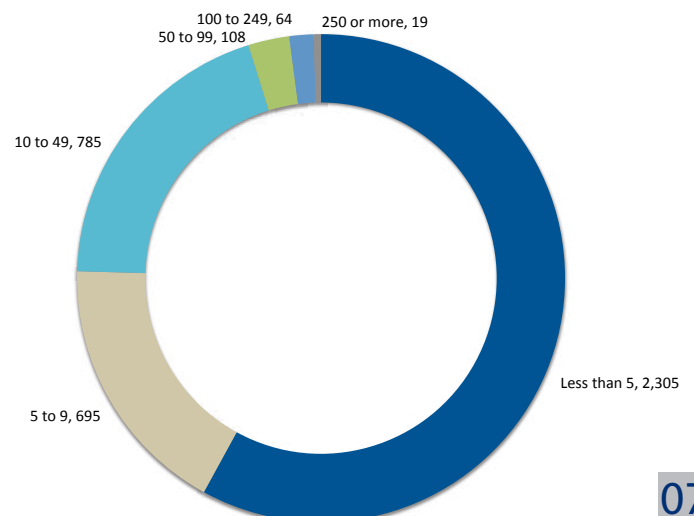
There are 14 Career Clusters™ Discussed in this Report:

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio/Video Technology, and Communications
- Business, Management, and Administration
- Education and Training
- Finance
- Health Science
- Human Services
- Information Technology
- Law, Public Safety, Corrections, and Security
- Manufacturing
- Marketing, Sales, and Service
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics

Since Career Clusters™ consist of occupations across many industries, businesses may employ people who are included in many Career Clusters™. For this reason, a business may be counted in a single or many Career Clusters™. While each business may identify more closely with a particular industry or even a particular occupational group, the employees may identify more closely with their particular Career Cluster™. This makes the information extremely important from a human resources perspective to better empathize and plan for the needs of the distinct groups of employees.

There are 3,976 businesses in IWD Region 2, reporting a total employment level of 51,069. The chart to the right shows a breakdown of the employment level by business size.

Employment Levels by Business Size



Career Planning

My Top Career Clusters™

Refer to your results from your Career Coach Assessment (www.iowacareercoach.gov/#action=loadCareerAssessmentIntro). You can concentrate on just one Career Cluster™, or you may choose to expand your exploration to two clusters.

1. _____
2. _____

Careers to Research

Use Career Coach (www.iowacareercoach.gov) to find additional careers in your top Career Clusters™.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Non-traditional Careers to Consider

Read the information on non-traditional careers found on page 3 of this guide, then select non-traditional careers in your top Career Clusters™ to research.

1. _____
2. _____

Career Clusters™ that Interest Me

Once you have completed your career research you will be able to narrow down the careers in the cluster that interest you. Using this guide through career exploration will help you focus on your future education and college goals as you plan your high school courses.

1. _____
2. _____
3. _____

My Top Skills

Based on your top career choices, which top skills should you possess?

1. _____
2. _____
3. _____

My Top Careers

Based on your career research, try to narrow down your list of possible careers. Be sure to consider:

- classes you will need to take in high school and college
- the amount of education required for the career
- where you can live to perform that career
- the number of projected job openings in the field
- how many hours you will work
- the type of environment where you will work
- if travel is required
- what kind of benefits you can expect to receive

1. _____
2. _____
3. _____

My Top Programs

Based on your top career choices, which programs should you consider for college?

1. _____
2. _____
3. _____
4. _____

Other Colleges and Programs to Consider

What other colleges or college programs are you considering? Be sure to research specific programs at each college to make sure it is a fit for your top pathways and careers. When considering colleges, be sure to consider:

- location
- environment
- size
- cost
- activities
- success rate for job placement and/or graduate school

1. _____
2. _____
3. _____



Agriculture, Food & Natural Resources

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Agribusiness Systems

- » Sample Careers
 - Banker/Loan Officer
 - Farm Manager Investment Manager
 - Agriculture Commodity Broker
 - Dairy Herd Supervisor
 - Feed and Supply Store Manager
 - Agricultural Chemical Dealer

Animal Systems

- » Sample Careers
 - Agriculture Educators
 - Livestock Producers
 - Veterinary Assistants
 - Animal Scientists
 - Embryo Technologists
 - Feed Sales Representative
 - Wildlife Biologist
 - Dairy Producer
 - USDA Inspectors

Environmental Service Systems

- » Sample Careers
 - Occupational Health and Safety Specialist
 - Recycling Coordinator
 - Environmental Compliance Inspector
 - Water Quality Manager
 - Toxicologist
 - Environmental Engineer
 - Green Building Consultant
 - Landscape Architect
 - Urban Planner

Food Products and Processing Systems

- » Sample Careers
 - Food Scientist
 - Cheese Maker
 - Food and Drug Inspector
 - Bacteriologist
 - Bioengineer/Biochemist
 - Meat Cutter/Meat Grader
 - Produce Buyer
 - Quality Control Specialist

Natural Resources Systems

- » Sample Careers
 - Wildlife Manager
 - Park Manager
 - Fish and Game Officer
 - Geologist

Plant Systems

- » Sample Careers
 - Plants Breeder and Geneticist
 - Soil and Water Specialist
 - Crop Farm Manager
 - Agricultural Educator
 - Botanist
 - Grain Operations Superintendent
 - Golf Course Superintendent
 - Greenhouse Manager
 - Farmer

Power, Structural, and Technical Systems

- » Sample Careers
 - Machine Operators
 - Electronics Systems Technicians
 - Agricultural Engineers
 - Heavy Equipment Maintenance Technician
 - Waste Water Treatment Plant Operator
 - Welder
 - GPS Technicians
 - Agricultural Applications Software Developers/Programmers

---Graduates: The First Year---



Number of Awards Conferred

AY11-AY15

69

Percent Who Continued
Their Education

18.1%



Percent Employed Among
Those Who Are Not Continuing
Education

77.9%



2016
Median Adjusted
Annual Salary

\$33,182



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.

AGRICULTURE, FOOD, AND NATURAL RESOURCES CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Farmers, Ranchers, and Other Agricultural Managers	664	0.6%	31,876	\$9.72	\$13.40	HS	5+ years	None
First-Line Supervisors of Farming, Fishing, and Forestry Workers	31	1.2%	998	\$16.23	\$27.13	HS	< 5 years	None
Tree Trimmers and Pruners	15	2.0%	362	\$10.99	\$15.15	HS	None	Short-Term
Environmental Engineers	12	2.6%	261	\$27.61	\$40.23	B	None	None
Natural Sciences Managers	11	1.3%	348	\$33.17	\$48.69	B	5+ years	None
Agricultural Inspectors	9	0.4%	281	\$16.69	\$22.86	B	None	Moderate-Term
Agricultural Engineers	8	0.3%	265	\$25.28	\$36.99	B	None	None
Environmental Engineering Technicians	4	3.0%	95	\$16.16	\$23.03	A	None	None
Animal Breeders	4	1.4%	99	\$13.55	\$21.91	HS	< 5 years	Short-Term
Forest and Conservation Workers	3	0.5%	154	\$10.28	\$16.64	HS	None	Moderate-Term
Logging Equipment Operators	3	-2.7%	78	\$14.29	\$17.71	HS	None	Moderate-Term

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

ANNUAL GROWTH RATE = Ten year growth rate (not shown) divided by ten;

ENTRY-LEVEL HOURLY RATE = Average of the lowest third of reported wages for the occupation;

MID-CAREER HOURLY RATE = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment;

EDUCATION/WORK EXPERIENCE/JOB TRAINING levels are determined by the U.S. Department of Labor's Bureau of Labor Statistics (BLS). Alternative pathways may exist as well as differing educational, training or licensing requirements per state. Iowa requirements are used in this publication when available.

EDUCATION:

< HS = Less than high school

HS = High school diploma or equivalent

PS = Postsecondary non-degree award

SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

Source: EMSI



North Iowa Area Community College PROGRAMS OF STUDY

- AGRICULTURE - TRANSFER
- AGRICULTURE MARKETING & FINANCE
- AGRICULTURE OPERATIONS MANAGEMENT
- AGRICULTURE SALES & SERVICE
- AGRICULTURE TECHNOLOGY
- ANIMAL ECOLOGY
- BIOLOGY - TRANSFER
- ENVIRONMENTAL SCIENCES - TRANSFER
- FORESTRY - TRANSFER
- HORTICULTURE - TRANSFER
- VETERINARY MEDICINE - TRANSFER

SUGGESTED HIGH SCHOOL COURSES

- ACCOUNTING
- AGRICULTURE EDUCATION
- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- ENGLISH/COMPOSITION
- FOREIGN LANGUAGE
- LAB SCIENCES: BIOLOGY, CHEMISTRY, PHYSICS, MICROBIOLOGY
- MATH: TECHNICAL MATH, ALGEBRA, TRIGONOMETRY, CALCULUS
- PRE-EMPLOYMENT STRATEGIES

“ THE CLASSES I HAVE TAKEN AT NIACC WERE ENJOYABLE, AND THE PROFESSORS WERE VERY HELPFUL IN GUIDING ME TOWARDS MY EDUCATIONAL GOALS. ”

---MATT





Architecture & Construction

Careers in designing, planning, managing, building, and maintaining the built environment.

Construction

- » Sample Careers
 - General Contractor/Builder
 - Construction Manager
 - Equipment and Material Manager Scheduler
 - Construction Inspector
 - Carpenter
 - Electrician
 - Concrete Finisher

Design/Pre-Construction

- » Sample Careers
 - Architect
 - Drafter
 - Industrial Engineer
 - Cost Estimator
 - Surveyor
 - Interior Designer
 - Building Code Official
 - Computer Aided Drafter

Maintenance/Operations

- » Sample Careers
 - General Maintenance Contractor
 - Construction Foreman
 - Project Manager
 - Carpenter
 - Mason
 - Plumber

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

71

Percent Who Continued
Their Education

15.5%



Percent Employed Among
Those Who Are Not Continuing
Education

95.0%



2016
Median Adjusted
Annual Salary

\$29,533



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Electricians	364	1.9%	10,462	\$15.07	\$24.07	HS	None	Apprenticeship
Carpenters	356	1.6%	13,622	\$12.26	\$17.30	HS	None	Apprenticeship
Operating Engineers and Other Construction Equipment Operators	210	1.2%	6,557	\$13.99	\$21.41	HS	None	Moderate-Term
First-Line Supervisors of Construction Trades and Extraction Workers	206	1.4%	7,689	\$16.32	\$25.19	HS	5+ years	None
Plumbers, Pipefitters, and Steamfitters	167	1.5%	6,707	\$13.43	\$22.13	HS	None	Apprenticeship
Mechanical Engineers	130	1.0%	3,082	\$23.43	\$35.64	B	None	None
Civil Engineers	120	2.5%	2,754	\$22.97	\$36.91	B	None	None
Industrial Engineers	118	1.0%	3,163	\$25.16	\$35.51	B	None	None
First-Line Supervisors of Housekeeping and Janitorial Workers	88	1.3%	2,552	\$10.17	\$16.27	HS	< 5 years	None
Highway Maintenance Workers	69	0.5%	3,624	\$14.89	\$20.10	HS	None	Moderate-Term
Sheet Metal Workers	49	1.3%	1,618	\$14.33	\$23.43	HS	None	Apprenticeship
Structural Iron and Steel Workers	48	1.6%	1,047	\$18.63	\$24.82	HS	None	Apprenticeship
Electrical Engineers	47	1.1%	1,521	\$26.39	\$36.88	B	None	None
Architects, Except Landscape and Naval	42	2.4%	1,006	\$20.00	\$30.85	B	None	Internship/Residency
Helpers--Electricians	37	3.6%	844	\$10.51	\$14.49	HS	None	Short-Term
Brickmasons and Blockmasons	35	1.7%	1,239	\$14.48	\$19.96	HS	None	Apprenticeship
Pesticide Handlers, Sprayers, and Applicators, Vegetation	35	0.9%	1,083	\$10.45	\$14.23	HS	None	Moderate-Term
Construction and Building Inspectors	32	1.6%	865	\$16.66	\$25.64	HS	5+ years	Moderate-Term
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	28	1.0%	1,284	\$12.80	\$18.27	HS	< 5 years	None
Insulation Workers, Mechanical	27	3.5%	677	\$14.28	\$21.12	HS	None	Apprenticeship
Electrical and Electronics Engineering Technicians	26	0.5%	1,069	\$17.52	\$26.70	A	None	None
Industrial Engineering Technicians	24	0.6%	924	\$15.56	\$23.48	A	None	None
Fence Erectors	22	1.4%	644	\$11.02	\$14.81	HS	None	Moderate-Term
Civil Engineering Technicians	22	0.3%	947	\$15.81	\$24.89	A	None	None
Glaziers	21	1.8%	547	\$13.29	\$19.86	HS	None	Apprenticeship
Pest Control Workers	21	1.5%	550	\$11.21	\$15.42	HS	None	Moderate-Term
Architectural and Civil Drafters	19	0.8%	901	\$15.94	\$23.14	A	None	None
Paving, Surfacing, and Tamping Equipment Operators	18	1.3%	659	\$14.01	\$20.07	HS	None	Moderate-Term
Electronics Engineers, Except Computer	16	2.8%	373	\$27.56	\$36.90	B	None	None
Hazardous Materials Removal Workers	15	1.3%	484	\$12.79	\$18.03	HS	None	Moderate-Term

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

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SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

Source: EMSI

North Iowa Area Community College **PROGRAMS OF STUDY**

- **BUILDING TRADES**
 - **HEATING AND AIR CONDITIONING TECHNOLOGY**
-

SUGGESTED HIGH SCHOOL COURSES

- **BUSINESS EDUCATION**
- **COMMUNICATION**
- **COMPUTER APPLICATIONS**
- **ENGLISH/COMPOSITION**
- **FOREIGN LANGUAGE**
- **INDUSTRIAL TECHNOLOGY EDUCATION:**
 - **ELECTRICAL SYSTEMS, CONSTRUCTION, CABINETMAKING, POWER TECHNOLOGY, DRAFTING, INTRODUCTION TO ENGINEERING, MACHINE OPERATIONS, BLUEPRINT READING, WELDING, SAFETY, WOOD**
- **MATH: TECHNICAL MATH, ALGEBRA, TRIGONOMETRY, CALCULUS**
- **PRE-EMPLOYMENT STRATEGIES**





Arts, A/V Technology & Communications

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Audio & Video Technology and Film

- » Sample Careers
 - Video Graphics, Special Effects and Animation
 - Audio-Video Designer and Engineer
 - Audio-Video System Service Technician

Journalism and Broadcasting

- » Sample Careers
 - Station Manager
 - Radio and TV Announcer
 - Publisher
 - Editor
 - Reporter

Performing Arts

- » Sample Careers
 - Cinematographer
 - Dancer
 - Play Writer, Screen Writer, Screen Editor, Script Writer
 - Musician
 - Make-up Artist
 - Stagecraft Designer

Printing Technology

- » Sample Careers
 - Graphics and Printing Equipment Operator
 - Web Page Designer

Telecommunications

- » Sample Careers
 - Telecommunication Technician
 - Telecommunication Equipment, Cable, Line Repairer/Installer
 - Telecommunication Computer Programmer

Visual Arts

- » Sample Careers
 - Commercial Photographer
 - Interior Designer
 - Graphic Designer
 - CAD Technician
 - Textile Designer
 - Fashion Designer
 - Curator and Gallery Manager

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

10

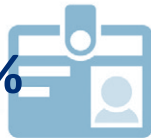
Percent Who Continued
Their Education

40.0%



Percent Employed Among
Those Who Are Not Continuing
Education

100.0%



2016
Median Adjusted
Annual Salary

\$20,790



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS
THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Coaches and Scouts	204	1.3%	5,120	\$8.25	\$13.19	B	None	None
Graphic Designers	125	1.9%	3,007	\$12.33	\$18.02	B	None	None
Editors	55	0.9%	1,667	\$12.33	\$20.64	B	< 5 years	None
Interior Designers	53	3.9%	1,000	\$12.33	\$17.47	B	None	None
Musicians and Singers	51	0.6%	1,514	\$9.96	\$25.69	HS	None	Long-Term
Public Relations Specialists	48	1.1%	2,038	\$15.90	\$26.66	B	None	None
Merchandise Displayers and Window Trimmers	39	0.8%	1,129	\$9.46	\$11.88	HS	None	Moderate-Term
Reporters and Correspondents	32	-0.6%	867	\$10.18	\$15.18	B	None	None
Music Directors and Composers	31	0.7%	941	\$13.17	\$23.27	B	< 5 years	None
Audio and Video Equipment Technicians	25	2.1%	711	\$9.60	\$14.98	PS	None	Short-Term
Technical Writers	24	1.2%	607	\$18.18	\$25.43	B	< 5 years	Short-Term
Producers and Directors	22	0.2%	572	\$12.30	\$22.76	B	< 5 years	None
Commercial and Industrial Designers	22	1.8%	534	\$16.90	\$24.26	B	None	None
Writers and Authors	20	-0.1%	791	\$11.73	\$17.93	B	None	Moderate-Term
Interpreters and Translators	20	2.1%	633	\$13.30	\$18.75	B	None	Short-Term
Floral Designers	16	-2.6%	569	\$8.63	\$11.77	HS	None	Moderate-Term
Art Directors	12	1.1%	362	\$16.02	\$25.01	B	5+ years	None
Photographers	11	-2.0%	767	\$9.66	\$14.26	HS	None	Long-Term
Radio and Television Announcers	10	-0.1%	437	\$9.16	\$15.47	B	None	None
Umpires, Referees, and Other Sports Officials	9	1.0%	244	\$8.34	\$10.46	HS	None	Moderate-Term
Actors	7	0.3%	183	\$12.22	\$19.77	SC	None	Long-Term
Athletes and Sports Competitors	7	-0.3%	201	\$11.92	\$26.47	HS	None	Long-Term
Fine Artists, Including Painters, Sculptors, and Illustrators	6	-1.5%	231	\$6.79	\$9.13	HS	None	Long-Term
Dancers	6	-0.1%	182	\$8.89	\$13.84	HS	None	Long-Term
Multimedia Artists and Animators	6	0.6%	204	\$11.55	\$17.03	B	None	Moderate-Term
Broadcast Technicians	5	0.3%	234	\$8.57	\$16.48	A	None	Short-Term
Fashion Designers	4	3.3%	89	\$18.85	\$22.99	B	None	None
Public Address System and Other Announcers	3	-0.3%	141	\$9.45	\$14.04	HS	None	Short-Term
Craft Artists	3	-2.7%	113	\$4.95	\$6.14	HS	None	Long-Term
Sound Engineering Technicians	3	1.2%	101	\$15.74	\$22.57	PS	None	Short-Term

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

ANNUAL GROWTH RATE = Ten year growth rate (not shown) divided by ten;

ENTRY-LEVEL HOURLY RATE = Average of the lowest third of reported wages for the occupation;

MID-CAREER HOURLY RATE = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment;

EDUCATION/WORK EXPERIENCE/JOB TRAINING levels are determined by the U.S. Department of Labor's Bureau of Labor Statistics (BLS). Alternative pathways may exist as well as differing educational, training or licensing requirements per state. Iowa requirements are used in this publication when available.

EDUCATION:

< HS = Less than high school
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 PS = Postsecondary non-degree award
 SC = Some college, no degree

A = Associate's degree
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North Iowa Area Community College PROGRAMS OF STUDY

- ART-VISUAL/GRAPHIC - TRANSFER
 - ENGLISH - TRANSFER
 - FAMILY & CONSUMER SCIENCE - TRANSFER
 - JOURNALISM - TRANSFER
 - MUSIC - TRANSFER
 - PUBLIC RELATIONS - TRANSFER
 - SPEECH - TRANSFER
 - THEATER - TRANSFER
-

SUGGESTED HIGH SCHOOL COURSES

- ART
- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- ENGLISH/COMPOSITION
- FOREIGN LANGUAGE
- GRAPHIC ARTS
- MATH: TECHNICAL MATH, ALGEBRA
- MUSIC
- PRE-EMPLOYMENT STRATEGIES
- THEATER

“ I LIKE MY CLASSES BECAUSE I AM LEARNING MORE STYLES OF WRITING WHICH WILL HELP ME IN MY CAREER SOMEDAY. ”

---HANNAH





CareerClusters®
PATHWAYS TO COLLEGE & CAREER READINESS

Business Management & Administration

Encompasses planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Business, management, and administration career opportunities are available in every sector of the economy.

Administrative Support

- » Sample Careers
 - Administrative Assistant
 - Executive Assistant
 - Receptionist
 - Medical Transcriptionist
 - Legal Secretary

Business Information Management

- » Sample Careers
 - Accountant
 - Auditor
 - Bookkeeper
 - Certified Public Accountant
 - Accounts Receivable Clerk
 - Billing Clerk

General Management

- » Sample Careers
 - Entrepreneur
 - General Manager
 - Accounting Manager
 - Billing Manager
 - Payroll Manager
 - Facilities Manager

Human Resources Management

- » Sample Careers
 - Human Resources Manager
 - Compensation and Benefits Manager
 - Corporate Trainer
 - Personnel Recruiter
 - Human Resources Assistant

Operations Management

- » Sample Careers
 - Systems Analyst
 - Marketing Analyst
 - Business Consultant
 - Product Manager

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

137

Percent Who Continued
Their Education

26.2%



Percent Employed Among
Those Who Are Not Continuing
Education

86.0%



2016
Median Adjusted
Annual Salary

\$17,378



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



BUSINESS, MANAGEMENT, AND ADMINISTRATION CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS
THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Customer Service Representatives	1,125	1.2%	30,061	\$9.77	\$15.56	HS	None	Short-Term
Office Clerks, General	1,035	0.8%	37,309	\$9.45	\$14.99	HS	None	Short-Term
General and Operations Managers	774	1.2%	27,080	\$16.45	\$43.90	B	< 5 years	None
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	686	1.2%	30,750	\$9.81	\$15.07	HS	None	Short-Term
Tellers	563	1.9%	9,366	\$9.42	\$12.26	HS	None	Short-Term
First-Line Supervisors of Office and Administrative Support Workers	496	1.7%	13,171	\$13.75	\$22.98	HS	< 5 years	None
Bookkeeping, Accounting, and Auditing Clerks	446	1.1%	23,590	\$9.88	\$16.04	HS	None	Moderate-Term
Receptionists and Information Clerks	390	1.2%	10,708	\$8.99	\$13.02	HS	None	Short-Term
Financial Managers	259	1.4%	8,646	\$26.70	\$51.69	B	5+ years	None
Medical Secretaries	218	2.3%	7,017	\$10.66	\$15.41	HS	None	Moderate-Term
Shipping, Receiving, and Traffic Clerks	214	1.0%	6,156	\$10.44	\$15.49	HS	None	Short-Term
Medical and Health Services Managers	206	1.3%	5,960	\$23.29	\$37.91	B	None	None
Insurance Claims and Policy Processing Clerks	195	1.6%	4,898	\$13.69	\$18.12	HS	None	Moderate-Term
Billing and Posting Clerks	165	1.5%	5,317	\$12.51	\$16.91	HS	None	Short-Term
Construction Managers	148	0.7%	5,289	\$15.99	\$29.79	B	None	Moderate-Term
Bill and Account Collectors	140	1.2%	3,661	\$11.74	\$16.03	HS	None	Moderate-Term
Executive Secretaries and Executive Administrative Assistants	138	-0.0%	11,108	\$13.80	\$20.60	HS	< 5 years	None
Human Resources Specialists	136	1.2%	4,846	\$15.54	\$25.88	B	None	None
Sales Managers	125	1.2%	3,930	\$25.25	\$50.01	B	< 5 years	None
Library Assistants, Clerical	120	1.2%	2,275	\$8.21	\$11.35	HS	None	Short-Term
Production, Planning, and Expediting Clerks	116	0.9%	3,511	\$13.66	\$21.01	HS	None	Moderate-Term
Postal Service Mail Carriers	108	-2.5%	2,777	\$17.76	\$24.71	HS	None	Short-Term
Computer and Information Systems Managers	108	1.7%	3,802	\$37.29	\$54.40	B	5+ years	None
Chief Executives	101	1.0%	3,401	\$25.89	\$71.86	B	5+ years	None
Loan Interviewers and Clerks	100	1.3%	5,433	\$12.69	\$16.83	HS	None	Short-Term
Dispatchers, Except Police, Fire, and Ambulance	92	1.6%	2,201	\$11.65	\$18.78	HS	None	Moderate-Term
Social and Community Service Managers	92	1.5%	2,833	\$15.51	\$25.67	B	5+ years	None
Administrative Services Managers	81	1.3%	2,945	\$19.85	\$35.76	B	< 5 years	None
Education Administrators, Elementary and Secondary School	80	0.6%	2,536	\$30.51	\$43.30	G	5+ years	None

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

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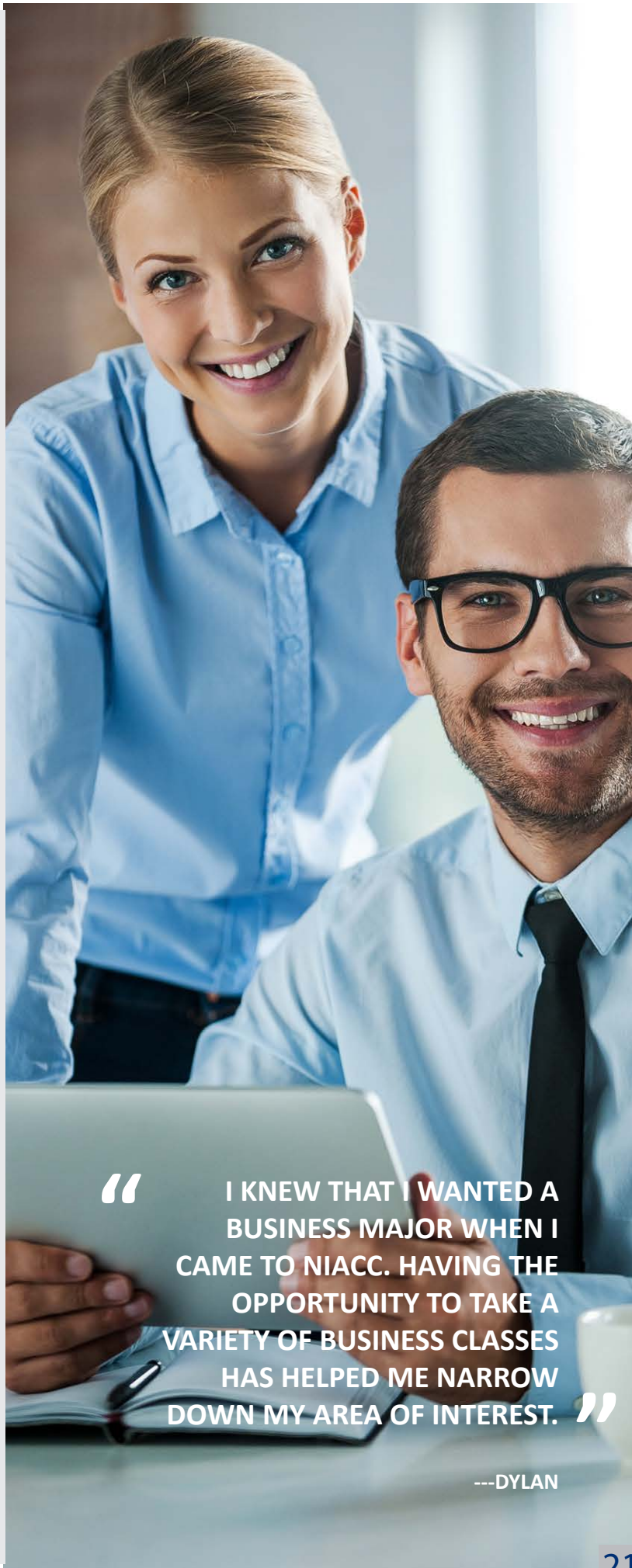
Source: EMSI

North Iowa Area Community College PROGRAMS OF STUDY

- ACCOUNTING - TRANSFER
- ADMINISTRATIVE OFFICE
- BUSINESS - TRANSFER
- BUSINESS ADMINISTRATION
- BUSINESS MANAGEMENT
- ECONOMICS - TRANSFER
- ENTREPRENEURSHIP & SMALL BUSINESS MANAGEMENT
- MANAGEMENT INFORMATION SYSTEMS - TRANSFER
- SOFTWARE APPLICATIONS SPECIALIST
- SPORT MANAGEMENT

SUGGESTED HIGH SCHOOL COURSES

- ACCOUNTING
- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- ECONOMICS
- ENGLISH/COMPOSITION
- FOREIGN LANGUAGE
- GRAPHIC ARTS
- MATH
- PRE-EMPLOYMENT STRATEGIES
- PSYCHOLOGY



“ I KNEW THAT I WANTED A BUSINESS MAJOR WHEN I CAME TO NIACC. HAVING THE OPPORTUNITY TO TAKE A VARIETY OF BUSINESS CLASSES HAS HELPED ME NARROW DOWN MY AREA OF INTEREST. ”

---DYLAN



Planning, managing, and providing education and training services and related learning support services.

Administration and Administrative Support

- » Sample Careers
 - Superintendent
 - Principal
 - Curriculum Developer
 - Education Researcher

Professional Support Services

- » Sample Careers
 - Psychologist
 - Social Worker
 - Counselor

Teaching/Training

- » Sample Careers
 - Preschool Teacher
 - Special Education Teacher
 - Elementary or Secondary Teacher
 - Teacher Aid
 - Childcare Worker
 - Group Worker
 - Professor



EDUCATION AND TRAINING CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Teacher Assistants	609	0.8%	20,558	\$8.23	\$11.07	SC	None	None
Elementary School Teachers, Except Special Education	557	1.1%	17,735	\$16.16	\$24.17	B	None	Internship/Residency
Postsecondary Teachers	534	1.4%	19,981	\$16.41	\$39.78	G	None	None
Secondary School Teachers, Except Special and Career/Technical Education	383	0.6%	11,941	\$15.76	\$23.99	B	None	Internship/Residency
Preschool Teachers, Except Special Education	270	1.8%	6,357	\$9.02	\$12.82	A	None	None
Middle School Teachers, Except Special and Career/Technical Education	201	1.2%	6,303	\$16.50	\$25.28	B	None	Internship/Residency
Substitute Teachers	194	0.7%	8,306	\$10.22	\$13.28	B	None	Internship/Residency
Library Technicians	118	0.9%	1,951	\$8.90	\$14.43	PS	None	None
Self-Enrichment Education Teachers	110	1.5%	3,719	\$10.21	\$17.23	HS	< 5 years	None
Kindergarten Teachers, Except Special Education	51	1.2%	1,342	\$15.47	\$22.80	B	None	Internship/Residency
Librarians	45	0.7%	1,584	\$12.55	\$22.88	G	None	None
Special Education Teachers, Kindergarten and Elementary School	40	0.7%	1,717	\$15.96	\$24.21	B	None	Internship/Residency
Instructional Coordinators	29	1.3%	1,471	\$22.73	\$34.13	G	5+ years	None
Special Education Teachers, Secondary School	24	0.5%	1,078	\$18.33	\$25.54	B	None	Internship/Residency
Special Education Teachers, Middle School	22	0.6%	984	\$16.90	\$25.55	B	None	Internship/Residency
Career/Technical Education Teachers, Secondary School	21	0.6%	659	\$15.96	\$24.77	B	< 5 years	Internship/Residency
Adult Basic and Secondary Education and Literacy Teachers and Instructors	10	1.4%	350	\$14.10	\$22.20	B	None	Internship/Residency
Special Education Teachers, Preschool	7	1.8%	229	\$17.19	\$26.34	B	None	Internship/Residency
Curators	4	1.2%	135	\$13.09	\$22.48	G	None	None
Farm and Home Management Advisors	4	0.7%	288	\$12.83	\$23.09	G	None	None
Museum Technicians and Conservators	3	1.0%	100	\$9.99	\$21.28	B	None	None
Career/Technical Education Teachers, Middle School	3	0.6%	93	\$19.14	\$24.29	B	< 5 years	Internship/Residency
Archivists	2	1.3%	52	\$16.11	\$22.96	G	None	None

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

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HS = High school diploma or equivalent

PS = Postsecondary non-degree award

SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

Source: EMSI

North Iowa Area Community College **PROGRAMS OF STUDY**

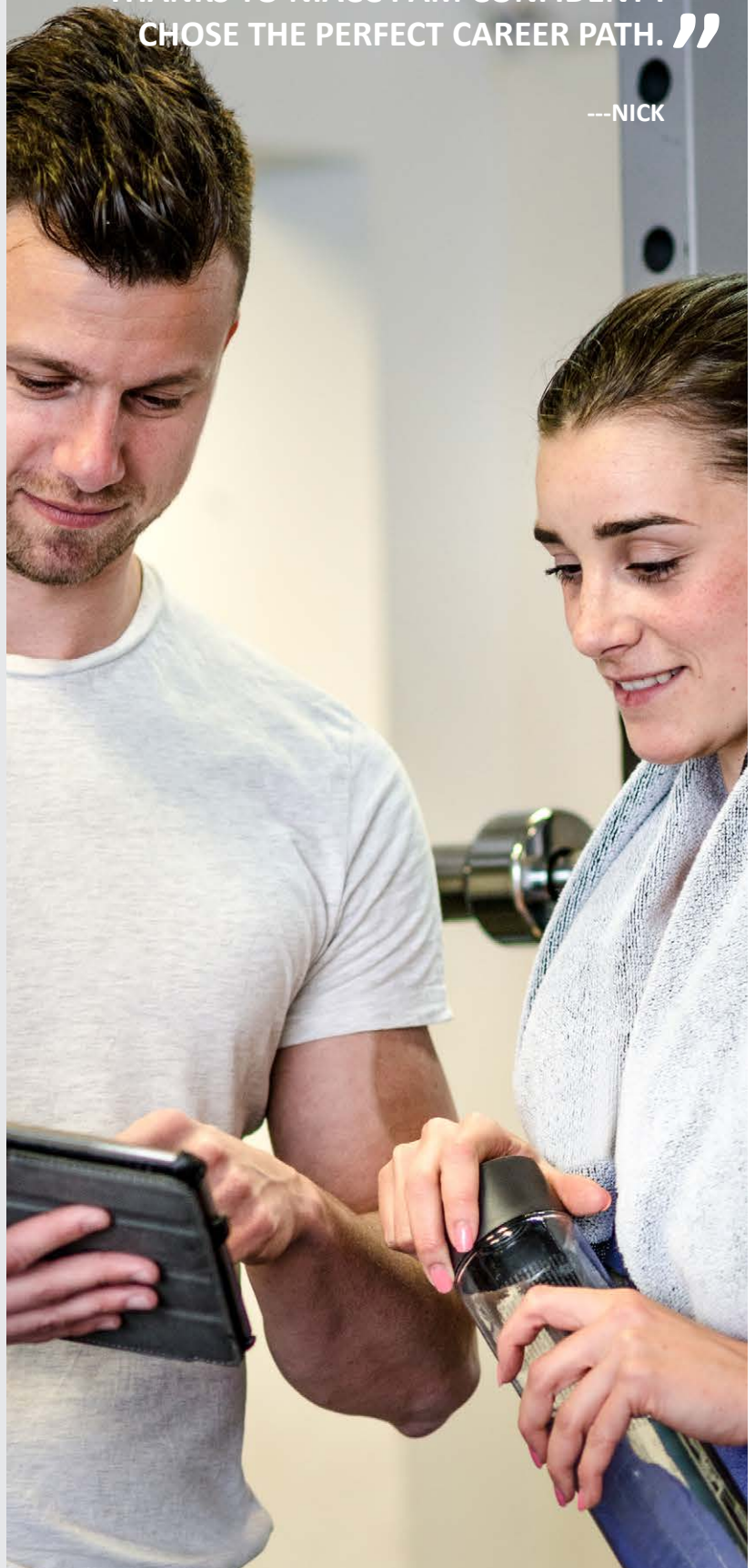
- ATHLETIC TRAINER - TRANSFER
 - COACHING - TRANSFER
 - EARLY CHILDHOOD EDUCATION
 - ELEMENTARY EDUCATION - TRANSFER
 - FAMILY & CONSUMER SCIENCE - TRANSFER
 - HISTORY - TRANSFER
 - PHYSICAL EDUCATION - TRANSFER
 - SECONDARY EDUCATION - TRANSFER
 - TEACHER'S AIDE - TRANSFER
-

SUGGESTED HIGH SCHOOL COURSES

- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- ECONOMICS
- ENGLISH/COMPOSITION
- FAMILY AND CONSUMER SCIENCES
- FOREIGN LANGUAGE
- GRAPHIC ARTS
- MATH
- PRE-EMPLOYMENT STRATEGIES
- PSYCHOLOGY

“ NIACC HAS TAUGHT ME WHAT IT TAKES TO BE A SUCCESSFUL TEACHER, FROM GREAT TEACHERS THEMSELVES. THANKS TO NIACC I AM CONFIDENT I CHOSE THE PERFECT CAREER PATH. ”

---NICK



Planning services for financial and investment planning, banking, insurance, and business financial management.

Accounting

- » Sample Careers
- Accountant
- Payroll Clerk

Banking Services

- » Sample Careers
- Loan Officer
- Teller
- Debt Counselor
- Customer Service Representative

Business Finance

- » Sample Careers
- Economist
- Financial Analyst
- Controller

Insurance

- » Sample Careers
- Claims Agent
- Insurance Appraiser
- Underwriter
- Sales Agent

Securities and Investments

- » Sample Careers
- Personal Financial Advisor
- Tax Preparer
- Investment Advisor

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

80

Percent Who Continued
Their Education

20.7%



Percent Employed Among
Those Who Are Not Continuing
Education

92.3%



2016
Median Adjusted
Annual Salary

\$23,932



Source: Education Outcomes, AY11-AY15; Iowa Department of Education

Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



FINANCE CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Accountants and Auditors	477	1.0%	12,411	\$19.01	\$30.49	B	None	None
Loan Officers	187	1.5%	5,914	\$17.04	\$31.60	B	None	Moderate-Term
Market Research Analysts and Marketing Specialists	177	2.4%	5,259	\$15.57	\$27.14	B	None	None
Claims Adjusters, Examiners, and Investigators	162	2.3%	3,945	\$16.48	\$26.09	HS	None	Long-Term
Management Analysts	152	1.6%	5,250	\$20.81	\$36.98	B	< 5 years	None
Cost Estimators	142	2.2%	2,883	\$17.38	\$27.66	B	None	None
Financial Analysts	110	1.7%	2,888	\$21.56	\$37.11	B	None	None
Personal Financial Advisors	90	3.1%	2,260	\$20.95	\$39.98	B	None	None
Training and Development Specialists	87	1.3%	2,991	\$16.04	\$25.77	B	< 5 years	None
Purchasing Agents, Except Wholesale, Retail, and Farm Products	74	0.9%	2,867	\$17.15	\$27.21	HS	None	Long-Term
Compliance Officers	58	1.4%	1,956	\$19.43	\$29.64	B	None	Moderate-Term
Insurance Underwriters	55	0.7%	1,637	\$19.14	\$28.87	B	None	Moderate-Term
Logisticians	45	2.1%	1,571	\$21.90	\$31.49	B	None	None
Credit Analysts	44	1.6%	1,166	\$19.69	\$33.87	B	None	None
Wholesale and Retail Buyers, Except Farm Products	39	1.2%	1,078	\$14.37	\$24.75	HS	None	Long-Term
Financial Examiners	35	0.7%	1,137	\$18.90	\$32.09	B	None	Moderate-Term
Labor Relations Specialists	26	0.6%	1,045	\$8.20	\$21.76	B	None	None
Compensation, Benefits, and Job Analysis Specialists	23	1.5%	727	\$20.00	\$31.18	B	None	None
Budget Analysts	16	1.3%	325	\$23.75	\$32.81	B	None	None
Tax Preparers	16	-0.1%	738	\$11.46	\$18.15	HS	None	Moderate-Term
Credit Counselors	16	1.4%	537	\$14.37	\$18.64	B	None	Moderate-Term
Appraisers and Assessors of Real Estate	12	0.1%	892	\$14.65	\$25.23	B	None	Long-Term
Tax Examiners and Collectors, and Revenue Agents	10	-0.0%	296	\$19.44	\$29.45	B	None	Moderate-Term
Insurance Appraisers, Auto Damage	5	2.8%	120	\$21.63	\$26.97	PS	None	Moderate-Term
Agents and Business Managers of Artists, Performers, and Athletes	2	0.1%	65	\$14.85	\$16.65	B	< 5 years	None

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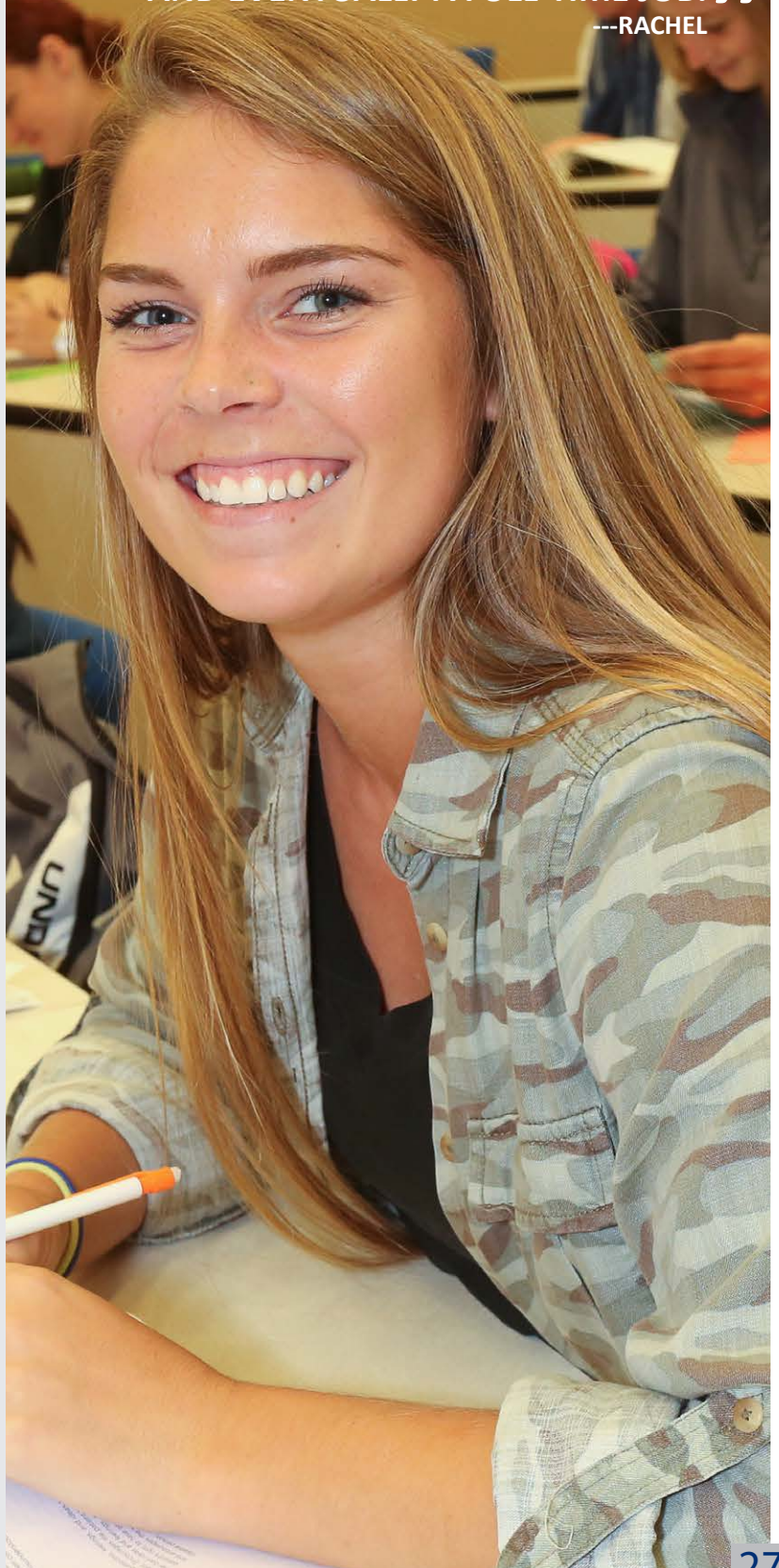
- ACCOUNTING - TRANSFER
 - INSURANCE & FINANCIAL MANAGEMENT
 - FINANCE - TRANSFER
-

SUGGESTED HIGH SCHOOL COURSES

- ACCOUNTING
- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- ECONOMICS
- ENGLISH/COMPOSITION
- FOREIGN LANGUAGE
- MATH
- PRE-EMPLOYMENT STRATEGIES
- STATISTICS

“ THE ACCOUNTING PROGRAM AND COURSES I’VE TAKEN ARE REALLY PREPARING ME FOR MY FUTURE. MY INSTRUCTORS HAVE DONE A GREAT JOB OF TEACHING, GETTING ME READY FOR HIGHER LEVEL COURSES AT A UNIVERSITY, AND EVENTUALLY A FULL-TIME JOB. ”

---RACHEL





Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Biotechnology Research and Development

- » Sample Careers
 - Biochemist
 - Cell Biologist
 - Lab Technician
 - Research Assistant
 - Toxicologist

Diagnostic Services

- » Sample Careers
 - Clinical Lab Technician
 - Electrocardiographic (ECG) Technician
 - Electronic Diagnostic (EEG) Technologist
 - Geneticist
 - Nutritionist
 - Phlebotomist
 - Radiologist

Health Informatics

- » Sample Careers
 - Registration Clerk
 - Unit Coordinator
 - Health Information Coder
 - Medical Biller
 - Medical Reimbursement Specialist
 - Clinical Data Analyst
 - Public Health Educator
 - Transcriptionist
 - Medical Documentation Specialist
 - Health Information Software Specialist

Therapeutic Services

- » Sample Careers
 - Physician
 - Physician Assistant
 - Athletic Trainer
 - Chiropractor
 - Dental Assistant
 - Dietician
 - Massage Therapist
 - Paramedic
 - Registered Nurse
 - Licensed Practical Nurse
 - Respiratory Therapist
 - Physical Therapist
 - Counselor
 - Social Worker
 - Veterinarian

Support Services

- » Sample Careers
 - Environmental Services
 - Facilities Manager
 - Food Service
 - Materials Manager

---Graduates: The First Year---



Number of Awards Conferred

AY11-AY15

1,705

Percent Who Continued
Their Education

51.2%



Percent Employed Among
Those Who Are Not Continuing
Education

93.5%



2016
Median Adjusted
Annual Salary

\$23,491



Source: Education Outcomes, AY11-AY15; Iowa Department of Education

Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.

HEALTH SCIENCE CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Registered Nurses	1,098	1.3%	36,594	\$19.48	\$26.10	A	None	None
Nursing Assistants	835	1.4%	27,629	\$9.48	\$12.18	PS	None	None
Licensed Practical and Licensed Vocational Nurses	369	2.3%	8,739	\$14.69	\$18.73	PS	None	None
Medical Assistants	214	2.0%	6,059	\$11.05	\$15.31	PS	None	None
Pharmacists	136	1.1%	4,092	\$27.89	\$48.69	G	None	None
Dental Assistants	132	1.9%	3,703	\$13.44	\$18.30	PS	None	None
Dental Hygienists	127	2.2%	2,972	\$27.15	\$33.21	A	None	None
Pharmacy Technicians	118	1.5%	5,133	\$10.36	\$14.25	HS	None	Moderate-Term
Physical Therapists	111	2.7%	2,437	\$27.78	\$36.62	G	None	None
Emergency Medical Technicians and Paramedics	97	1.1%	2,708	\$10.58	\$16.21	PS	None	None
Medical Records and Health Information Technicians	86	1.4%	2,260	\$12.19	\$17.23	PS	None	None
Dentists, General	82	2.6%	1,869	\$53.70	\$84.44	G	None	None
Medical and Clinical Laboratory Technicians	74	1.7%	1,847	\$13.33	\$19.62	A	None	None
Optometrists	66	4.8%	1,102	\$36.49	\$55.67	G	None	None
Radiologic Technologists	59	1.1%	2,519	\$17.03	\$23.72	A	None	None
Nurse Practitioners	56	2.1%	1,523	\$36.59	\$45.02	G	None	None
Family and General Practitioners	55	0.7%	1,725	\$62.29	\$103.48	G	None	Internship/Residency
Physical Therapist Assistants	54	2.8%	1,252	\$15.25	\$22.78	A	None	None
Veterinarians	49	-0.1%	1,286	\$27.58	\$42.88	G	None	None
Opticians, Dispensing	49	2.0%	1,113	\$10.12	\$15.31	HS	None	Long-Term
Medical and Clinical Laboratory Technologists	47	0.8%	1,415	\$18.98	\$26.04	B	None	None
Speech-Language Pathologists	46	1.7%	1,546	\$23.51	\$32.93	G	None	None
Physician Assistants	46	2.4%	1,228	\$28.21	\$44.66	G	None	None
Phlebotomists	44	1.9%	1,290	\$10.78	\$13.91	PS	None	None
Occupational Therapists	41	2.3%	1,289	\$26.18	\$34.72	G	None	None
Chiropractors	37	1.8%	1,104	\$18.60	\$33.76	G	None	None
Massage Therapists	37	1.4%	1,458	\$10.46	\$16.94	PS	None	None
Medical Transcriptionists	34	0.7%	1,332	\$11.74	\$15.29	PS	None	None
Respiratory Therapists	32	1.5%	1,186	\$19.13	\$24.10	A	None	None
Diagnostic Medical Sonographers	30	2.6%	842	\$23.43	\$29.71	A	None	None

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

ANNUAL GROWTH RATE = Ten year growth rate (not shown) divided by ten;

ENTRY-LEVEL HOURLY RATE = Average of the lowest third of reported wages for the occupation;

MID-CAREER HOURLY RATE = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment;

EDUCATION/WORK EXPERIENCE/JOB TRAINING levels are determined by the U.S. Department of Labor's Bureau of Labor Statistics (BLS). Alternative pathways may exist as well as differing educational, training or licensing requirements per state. Iowa requirements are used in this publication when available.

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SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

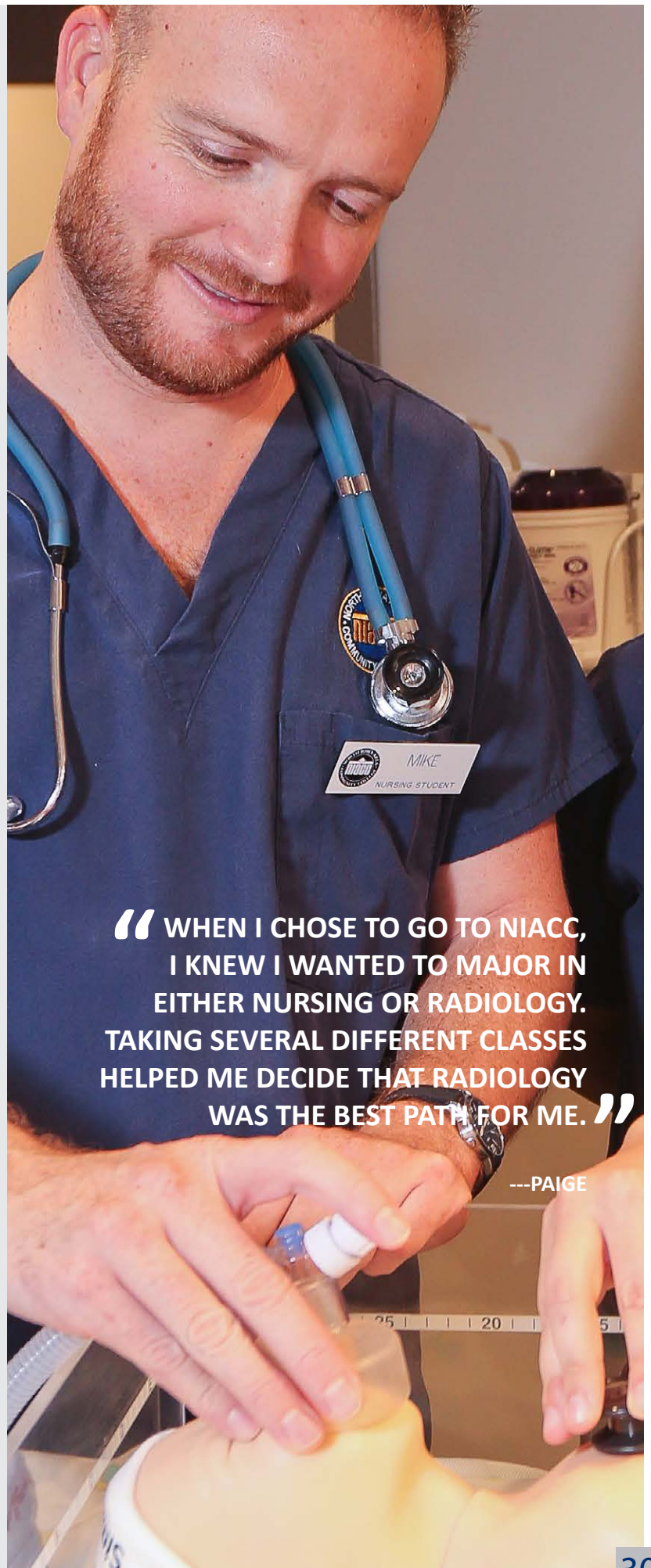
G = Advanced degree

North Iowa Area Community College PROGRAMS OF STUDY

- ADVANCED EMERGENCY MEDICAL TECHNICIAN
- CHIROPRACTIC - TRANSFER
- DENTAL HYGIENE - TRANSFER
- DENTISTRY - TRANSFER
- EMERGENCY MEDICAL RESPONDER
- EMERGENCY MEDICAL TECHNICIAN
- EXERCISE SCIENCE - TRANSFER
- HEALTH PROMOTION/COMMUNITY HEALTH - TRANSFER
- MEDICAL ASSISTANT
- MEDICAL LABORATORY TECHNICIAN
- MEDICAL ADMINISTRATIVE ASSISTANT
- MEDICAL TECHNOLOGY - TRANSFER
- MEDICINE - TRANSFER
- MORTUARY SCIENCE - TRANSFER
- NURSE AIDE (CNA)
- NURSING-BACHELORS DEGREE (BSN) - TRANSFER
- NURSING-ASSOCIATE DEGREE (RN)
- NURSING-PRACTICAL NURSING (LPN)
- OCCUPATIONAL THERAPY - TRANSFER
- OPTOMETRY - TRANSFER
- PHARMACY - TRANSFER
- PHARMACY TECHNICIAN
- PHYSICAL FITNESS & WELLNESS - CERTIFICATE
- PHYSICAL FITNESS & WELLNESS - DIPLOMA
- PHYSICAL FITNESS & WELLNESS - TRANSFER
- PHYSICAL THERAPY - TRANSFER
- PHYSICAL THERAPY ASSISTANT
- PHYSICIAN ASSISTANT - TRANSFER
- PSYCHOLOGY - TRANSFER
- RADIOLOGIC TECHNOLOGY
- RADIOLOGY - TRANSFER

SUGGESTED HIGH SCHOOL COURSES

- ANATOMY & PHYSIOLOGY
- COMMUNICATION & ENGLISH/COMPOSITION
- FAMILY & CONSUMER SCIENCE
- FIRST AID/CPR
- FOREIGN LANGUAGE
- LABORATORY SCIENCE
- MATH
- MEDICAL TERMINOLOGY
- NUTRITION
- PRE-EMPLOYMENT STRATEGIES
- STATISTICS



“ WHEN I CHOSE TO GO TO NIACC,
I KNEW I WANTED TO MAJOR IN
EITHER NURSING OR RADIOLOGY.
TAKING SEVERAL DIFFERENT CLASSES
HELPED ME DECIDE THAT RADIOLOGY
WAS THE BEST PATH FOR ME. ”

---PAIGE



Preparing individuals for employment in career pathways that relate to families and human needs.

Consumer Services

- » Sample Careers
 - Consumer Credit Counselor
 - Banker
 - Customer Service Representative
 - Inside Sales Representative
 - Buyer

Counseling and Mental Health Services

- » Sample Careers
 - School Counselor/Psychologist
 - Substance Abuse and Behavioral Disorder Counselor
 - Marriage, Child, and Family Counselor

Early Childhood Development and Services

- » Sample Careers
 - Childcare Facility Director
 - Preschool Teacher
 - Nanny
 - Teacher Assistant
 - Childcare Worker

Family and Community Services

- » Sample Careers
 - Adult Day Care Coordinator
 - Religious Leader
 - Human Services Worker
 - Social Services Worker
 - Vocational Rehabilitation Counselor

Personal Care Services

- » Sample Careers
 - Cosmetologist
 - Manicurist and Pedicurist
 - Esthetician
 - Massage Therapist
 - Funeral Director
 - Spa Attendant



HUMAN SERVICES CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Childcare Workers	958	1.4%	24,060	\$7.37	\$8.47	HS	None	Short-Term
Hairdressers, Hairstylists, and Cosmetologists	359	1.4%	10,324	\$9.35	\$11.66	PS	None	None
Social and Human Service Assistants	221	1.4%	6,008	\$9.09	\$14.27	HS	None	Short-Term
Child, Family, and School Social Workers	140	1.3%	4,387	\$13.05	\$20.84	B	None	None
Clergy	129	1.9%	3,631	\$12.00	\$21.81	B	None	Moderate-Term
Fitness Trainers and Aerobics Instructors	114	1.8%	4,243	\$8.53	\$12.54	HS	None	Short-Term
Recreation Workers	105	1.5%	4,226	\$8.08	\$11.63	B	None	None
Residential Advisors	90	1.5%	1,667	\$8.79	\$12.70	HS	None	Short-Term
Educational, Guidance, School, and Vocational Counselors	87	1.0%	2,955	\$14.37	\$23.85	G	None	None
Mental Health Counselors	73	2.0%	1,966	\$11.77	\$19.25	G	None	Internship/Residency
First-Line Supervisors of Personal Service Workers	70	0.9%	2,302	\$10.40	\$15.06	HS	< 5 years	None
Directors, Religious Activities and Education	69	1.0%	1,659	\$10.61	\$21.42	B	< 5 years	None
Healthcare Social Workers	69	1.8%	1,924	\$16.22	\$23.12	G	None	None
Rehabilitation Counselors	68	0.8%	2,498	\$10.85	\$17.34	G	None	None
Substance Abuse and Behavioral Disorder Counselors	59	1.7%	1,691	\$13.22	\$20.83	HS	None	Moderate-Term
Mental Health and Substance Abuse Social Workers	43	1.8%	1,200	\$13.46	\$20.31	B	None	None
Barbers	31	1.3%	840	\$7.23	\$8.40	PS	None	None
Community Health Workers	27	1.8%	669	\$9.35	\$15.13	HS	None	Short-Term
Health Educators	25	1.6%	641	\$17.65	\$27.10	B	None	None
Animal Trainers	20	-1.5%	357	\$10.72	\$13.23	HS	None	Moderate-Term
Morticians, Undertakers, and Funeral Directors	18	1.2%	563	\$14.73	\$26.77	A	None	Long-Term
Marriage and Family Therapists	16	2.8%	379	\$13.21	\$20.69	G	None	Internship/Residency
Probation Officers and Correctional Treatment Specialists	16	0.0%	581	\$20.82	\$30.61	B	None	Short-Term
Funeral Attendants	15	0.4%	606	\$8.29	\$10.75	HS	None	Short-Term
Manicurists and Pedicurists	10	0.9%	612	\$7.60	\$9.83	PS	None	None
Locker Room, Coatroom, and Dressing Room Attendants	10	1.9%	151	\$8.36	\$9.32	HS	None	Short-Term
Skincare Specialists	9	1.8%	386	\$9.66	\$13.56	PS	None	None
Slot Supervisors	7	0.2%	290	\$10.08	\$16.73	HS	< 5 years	None

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

ANNUAL GROWTH RATE = Ten year growth rate (not shown) divided by ten;

ENTRY-LEVEL HOURLY RATE = Average of the lowest third of reported wages for the occupation;

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EDUCATION:

< HS = Less than high school

HS = High school diploma or equivalent

PS = Postsecondary non-degree award

SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

Source: EMSI

North Iowa Area Community College **PROGRAMS OF STUDY**

- HUMAN SERVICES - TRANSFER
 - SOCIAL WORK - TRANSFER
 - SOCIOLOGY - TRANSFER
-

SUGGESTED HIGH SCHOOL COURSES

- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- FAMILY & CONSUMER SCIENCE
- FOREIGN LANGUAGE
- PRE-EMPLOYMENT STRATEGIES



“ TAKING THE PSYCHOLOGY AND
SOCIOLOGY CLASSES NEEDED FOR MY
HUMAN SERVICES MAJOR HAS MADE ME
REALIZE I AM ON THE RIGHT TRACK FOR
MY FUTURE. ”

---DORY



Building linkages in IT occupations framework: for entry-level, technical and professional careers related to the design, development, support, and management of hardware, software multimedia, and systems integration services.

Information Support and Services

- » Sample Careers
 - Data Administrator
 - Database Developer
 - Systems Analyst
 - Technical Editor
 - Help Desk Specialist
 - E-business Specialist

Network Systems

- » Sample Careers
 - Communication Analyst
 - Network Administrator
 - PC Support Specialist
 - Systems Administrator
 - Technical Support Specialist

Web and Digital Communications

- » Sample Careers
 - Animator
 - Applications Engineer
 - Multimedia Developer
 - Programmer
 - Software Applications Specialist
 - Test Engineer
 - Web Designer
 - Web Site Developer
 - Webmaster

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

82

Percent Who Continued
Their Education

18.1%



Percent Employed Among
Those Who Are Not Continuing
Education

88.2%



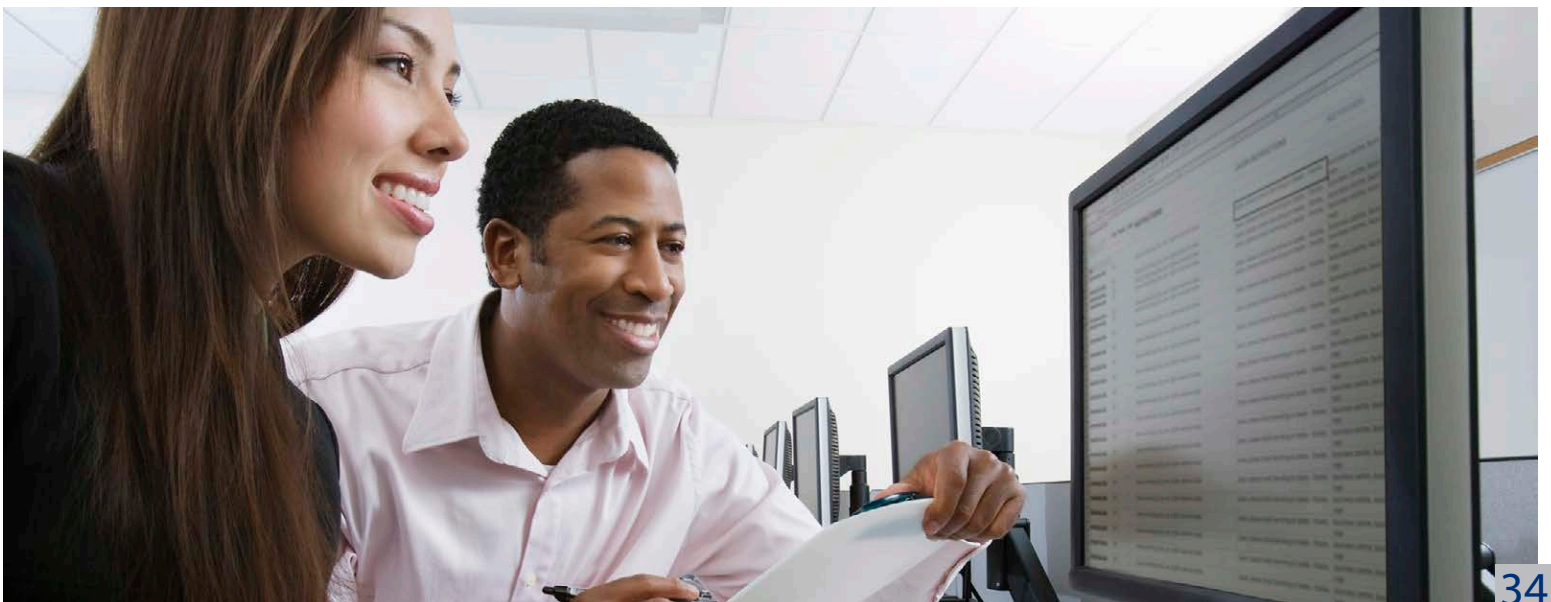
2016
Median Adjusted
Annual Salary

\$26,430



Source: Education Outcomes, AY11-AY15; Iowa Department of Education

Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



INFORMATION TECHNOLOGY CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Computer Systems Analysts	262	2.4%	7,407	\$23.36	\$36.46	B	None	None
Software Developers, Applications	257	1.8%	9,363	\$25.61	\$38.21	B	None	None
Computer User Support Specialists	176	2.1%	5,342	\$11.72	\$20.58	SC	None	Moderate-Term
Network and Computer Systems Administrators	114	1.2%	4,359	\$20.68	\$32.11	B	None	None
Computer Programmers	99	2.1%	2,355	\$20.40	\$31.51	B	None	None
Software Developers, Systems Software	97	2.4%	3,018	\$32.09	\$43.88	B	None	None
Web Developers	91	4.2%	1,965	\$13.49	\$25.27	A	None	None
Computer Network Support Specialists	57	0.6%	2,672	\$17.18	\$25.97	A	None	None
Database Administrators	40	1.5%	1,240	\$22.46	\$37.71	B	< 5 years	None
Computer Network Architects	37	1.6%	1,157	\$28.66	\$42.38	B	5+ years	None
Operations Research Analysts	31	3.1%	683	\$22.18	\$34.53	B	None	None
Actuaries	29	2.6%	600	\$27.61	\$44.89	B	None	Long-Term
Information Security Analysts	28	3.5%	653	\$22.14	\$35.01	B	< 5 years	None
Statisticians	11	2.9%	203	\$24.39	\$32.15	G	None	None
Computer and Information Research Scientists	6	1.4%	208	\$25.16	\$38.00	G	None	None

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

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EDUCATION:

< HS = Less than high school

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PS = Postsecondary non-degree award

SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

Source: EMSI

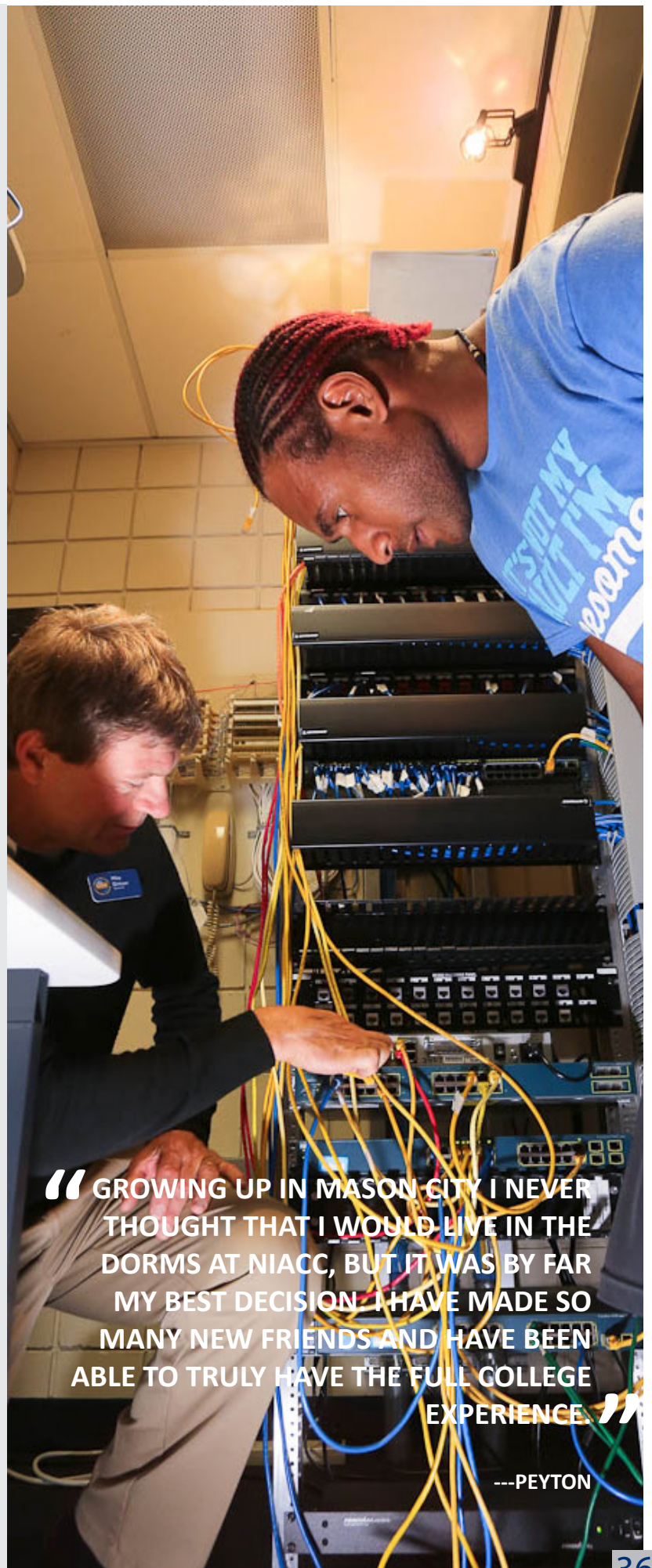


North Iowa Area Community College **PROGRAMS OF STUDY**

- BUSINESS TECHNOLOGY
- COMPUTER SCIENCE - TRANSFER
- INFORMATION ASSURANCE & SECURITY
- INFORMATION TECHNOLOGY

SUGGESTED HIGH SCHOOL COURSES

- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS/COMPUTER SCIENCE
- MATH
- PRE-EMPLOYMENT STRATEGIES
- WEBPAGE DESIGN



“ GROWING UP IN MASON CITY I NEVER THOUGHT THAT I WOULD LIVE IN THE DORMS AT NIACC, BUT IT WAS BY FAR MY BEST DECISION. I HAVE MADE SO MANY NEW FRIENDS AND HAVE BEEN ABLE TO TRULY HAVE THE FULL COLLEGE EXPERIENCE. ”

---PEYTON



Law, Public Safety, Corrections & Security

Planning, managing, and providing legal, public safety, protective, and homeland security services, including professional and technical support services.

Correction Services

- » Sample Careers
 - Jail Administrator
 - Correctional Trainer
 - Case Manager
 - Probation Officer

Emergency and Fire Management Services

- » Sample Careers
 - Emergency Management and Response Coordinator
 - EMT
 - Fire Fighter
 - Dispatcher
 - Rescue Worker

Law Enforcement Services

- » Sample Careers
 - Bailiff
 - Criminal Investigator
 - Game Enforcement Officer
 - Sheriff
 - Animal Control Officer

Legal Services

- » Sample Careers
 - Attorney
 - Investigator
 - Legal Assistant
 - Legal Secretary
 - Mediator/Arbitrator

Security and Protective Services

- » Sample Careers
 - Computer Forensics Specialist
 - Loss Prevention Manager
 - Armored Car Guard
 - Security Officer
 - Life Guard

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

74

Percent Who Continued
Their Education

43.0%



Percent Employed Among
Those Who Are Not Continuing
Education

95.6%



2016
Median Adjusted
Annual Salary

\$23,707



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Security Guards	234	1.4%	8,627	\$9.05	\$15.39	HS	None	Short-Term
Police and Sheriff's Patrol Officers	210	0.6%	5,760	\$17.75	\$26.00	HS	None	Moderate-Term
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	167	1.3%	2,173	\$7.86	\$8.81	HS	None	Short-Term
Correctional Officers and Jailers	101	0.3%	3,464	\$15.86	\$22.72	HS	None	Moderate-Term
Firefighters	63	0.6%	1,971	\$10.10	\$18.81	PS	None	Long-Term
First-Line Supervisors of Police and Detectives	29	0.5%	846	\$23.83	\$34.65	HS	< 5 years	Moderate-Term
First-Line Supervisors of Fire Fighting and Prevention Workers	23	0.6%	488	\$23.06	\$32.65	PS	< 5 years	Moderate-Term
Detectives and Criminal Investigators	14	0.3%	578	\$23.36	\$35.65	HS	< 5 years	Moderate-Term
First-Line Supervisors of Correctional Officers	11	0.3%	281	\$23.63	\$32.37	HS	< 5 years	Moderate-Term
Crossing Guards	6	0.2%	377	\$10.42	\$13.53	HS	None	Short-Term
Private Detectives and Investigators	6	0.7%	135	\$17.76	\$24.75	HS	< 5 years	Moderate-Term
Transportation Security Screeners	5	0.5%	187	\$15.39	\$17.60	HS	None	Short-Term
Gaming Surveillance Officers and Gaming Investigators	4	-0.1%	269	\$10.87	\$16.06	HS	None	Short-Term
Fish and Game Wardens	4	0.2%	137	\$18.83	\$28.06	HS	None	Short-Term
Fire Inspectors and Investigators	3	0.7%	78	\$16.68	\$27.04	HS	5+ years	Moderate-Term
Animal Control Workers	2	0.5%	87	\$9.99	\$17.06	HS	None	Moderate-Term
Parking Enforcement Workers	2	0.5%	73	\$15.69	\$19.80	HS	None	Short-Term
Bailiffs	2	0.7%	57	\$14.10	\$21.59	HS	None	Moderate-Term

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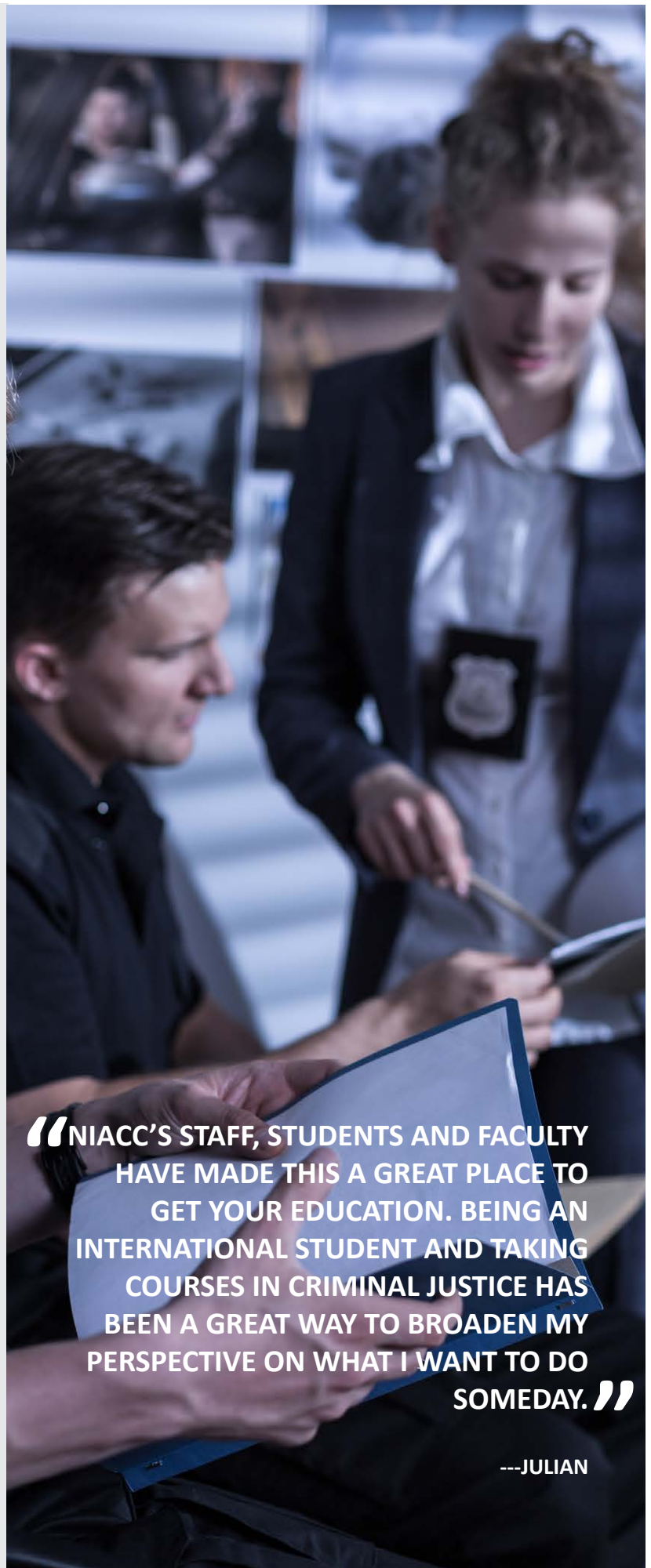


North Iowa Area Community College **PROGRAMS OF STUDY**

- CRIMINAL JUSTICE - TRANSFER
- LAW - TRANSFER
- LEGAL OFFICE ASSOCIATE

SUGGESTED HIGH SCHOOL COURSES

- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS/COMPUTER SCIENCE
- ENGLISH/COMPOSITION
- FOREIGN LANGUAGE
- LAW
- MATH
- PRE-EMPLOYMENT STRATEGIES
- PSYCHOLOGY/SOCIOLOGY/SOCIAL STUDIES



**“NIACC’S STAFF, STUDENTS AND FACULTY
HAVE MADE THIS A GREAT PLACE TO
GET YOUR EDUCATION. BEING AN
INTERNATIONAL STUDENT AND TAKING
COURSES IN CRIMINAL JUSTICE HAS
BEEN A GREAT WAY TO BROADEN MY
PERSPECTIVE ON WHAT I WANT TO DO
SOMEDAY.”**

---JULIAN



Manufacturing

Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Health, Safety, and Environmental Assurance

- » Sample Careers
 - Environmental Engineer
 - Safety Coordinator
 - Safety Team Leader

Logistics and Inventory Control

- » Sample Careers
 - Transportation Manager
 - Industrial Truck Operator
 - Logistical Engineer
 - Material Handler
 - Traffic Manager
 - Shipping and Receiving Clerk

Maintenance, Installation, and Repair

- » Sample Careers
 - Facility Electrician
 - Industrial Maintenance Mechanic
 - Maintenance Repairer

Manufacturing Production Process Development

- » Sample Careers
 - Design Engineer
 - Electronics Engineer
 - Industrial Engineer
 - Manufacturing Technician
 - Production Manager

Production

- » Sample Careers
 - Assembler
 - Machine Operator
 - Electrical Installer
 - Production Associate
 - Sheet Metal Worker
 - Tool and Die Maker
 - Welder

Quality Assurance

- » Sample Careers
 - Calibration Technician
 - Inspector
 - Quality Control Technician
 - Process Technician

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

184

Percent Who Continued
Their Education

31.9%



Percent Employed Among
Those Who Are Not Continuing
Education

93.7%



2016
Median Adjusted
Annual Salary

\$37,784



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



North Iowa Area Community College PROGRAMS OF STUDY

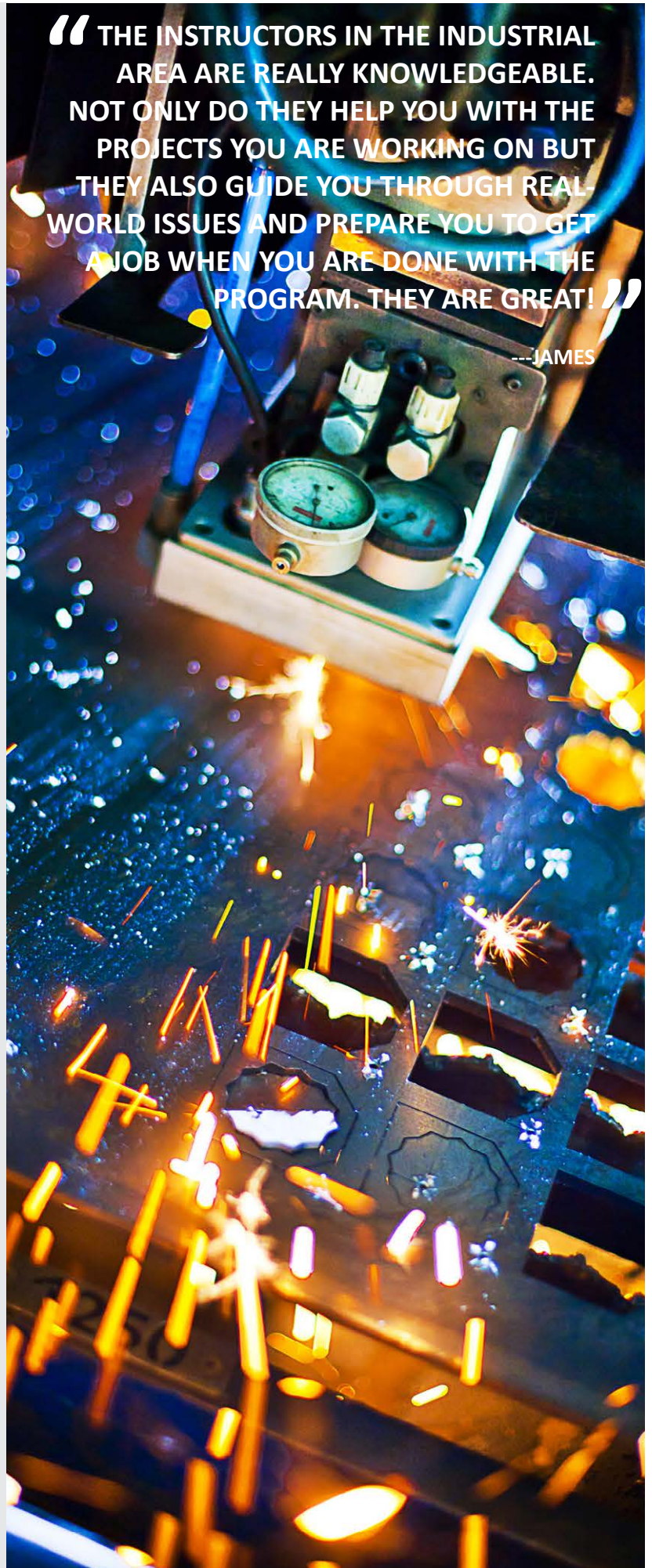
- GENERAL MACHINIST
- INDUSTRIAL SYSTEMS TECHNOLOGY
- INDUSTRIAL TECHNOLOGY
- TOOL & DIE TECHNOLOGY
- WELDING

SUGGESTED HIGH SCHOOL COURSES

- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- ENGLISH/COMPOSITION
- FOREIGN LANGUAGE
- INDUSTRIAL TECHNOLOGY:
 - ELECTRICAL SYSTEMS, CONSTRUCTION, CABINETMAKING, POWER TECHNOLOGY, DRAFTING, INTRO TO ENGINEERING, MACHINE OPERATIONS, BLUEPRINT READING, WELDING, SAFETY, WOOD
- MATH:
 - TECHNICAL MATH, ALGEBRA, TRIGONOMETRY, CALCULUS
- PRE-EMPLOYMENT STRATEGIES
- SCIENCE:
 - TECHNICAL PHYSICS, CHEMISTRY

“ THE INSTRUCTORS IN THE INDUSTRIAL AREA ARE REALLY KNOWLEDGEABLE. NOT ONLY DO THEY HELP YOU WITH THE PROJECTS YOU ARE WORKING ON BUT THEY ALSO GUIDE YOU THROUGH REAL-WORLD ISSUES AND PREPARE YOU TO GET A JOB WHEN YOU ARE DONE WITH THE PROGRAM. THEY ARE GREAT! ”

---JAMES



MANUFACTURING CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Maintenance and Repair Workers, General	503	1.0%	18,167	\$10.61	\$18.01	HS	None	Long-Term
Team Assemblers	435	0.8%	18,840	\$10.67	\$15.08	HS	None	Moderate-Term
Industrial Machinery Mechanics	404	1.9%	9,332	\$14.77	\$21.60	HS	None	Long-Term
Automotive Service Technicians and Mechanics	336	0.6%	9,930	\$10.32	\$17.38	HS	None	Long-Term
Welders, Cutters, Solderers, and Brazers	290	0.7%	9,400	\$12.85	\$17.40	HS	None	Moderate-Term
Packaging and Filling Machine Operators and Tenders	246	0.6%	8,631	\$10.06	\$14.61	HS	None	Moderate-Term
Inspectors, Testers, Sorters, Samplers, and Weighers	218	1.1%	6,921	\$11.08	\$17.66	HS	None	Moderate-Term
First-Line Supervisors of Mechanics, Installers, and Repairers	189	1.0%	5,328	\$18.26	\$28.24	HS	< 5 years	None
First-Line Supervisors of Production and Operating Workers	186	0.5%	9,502	\$15.79	\$25.58	PS	< 5 years	None
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	181	1.3%	5,018	\$14.66	\$22.74	PS	None	Long-Term
Machinists	174	1.6%	4,861	\$13.32	\$18.50	HS	None	Long-Term
Computer-Controlled Machine Tool Operators, Metal and Plastic	140	1.5%	3,511	\$13.65	\$17.94	HS	None	Moderate-Term
Bus and Truck Mechanics and Diesel Engine Specialists	136	1.1%	4,336	\$12.58	\$18.97	HS	None	Long-Term
Food Batchmakers	126	0.5%	3,416	\$10.83	\$15.93	HS	None	Moderate-Term
Farm Equipment Mechanics and Service Technicians	104	1.0%	2,845	\$12.39	\$18.39	HS	None	Long-Term
Mixing and Blending Machine Setters, Operators, and Tenders	93	0.6%	2,778	\$12.27	\$17.80	HS	None	Moderate-Term
Electrical Power-Line Installers and Repairers	90	0.9%	2,127	\$16.34	\$27.32	HS	None	Long-Term
Water and Wastewater Treatment Plant and System Operators	89	0.8%	2,167	\$13.03	\$20.96	HS	None	Long-Term
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	74	-0.8%	3,714	\$11.19	\$15.68	HS	None	Moderate-Term
Structural Metal Fabricators and Fitters	70	1.0%	1,448	\$12.76	\$16.61	HS	None	Moderate-Term
Automotive Body and Related Repairers	68	0.9%	2,294	\$10.74	\$18.16	HS	None	Moderate-Term
Mobile Heavy Equipment Mechanics, Except Engines	68	1.0%	1,809	\$14.49	\$20.44	HS	None	Long-Term
Telecommunications Equipment Installers and Repairers, Except Line Installers	61	1.1%	2,418	\$17.52	\$27.11	PS	None	Moderate-Term
Telecommunications Line Installers and Repairers	59	1.7%	1,519	\$13.30	\$20.04	HS	None	Long-Term
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	59	2.2%	1,418	\$13.88	\$17.88	HS	None	Moderate-Term
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	50	0.5%	2,230	\$10.81	\$15.46	HS	None	Moderate-Term
Helpers--Installation, Maintenance, and Repair Workers	49	2.1%	1,048	\$8.66	\$13.39	HS	None	Moderate-Term
Tire Repairers and Changers	48	0.7%	1,165	\$9.22	\$12.77	HS	None	Short-Term
Printing Press Operators	44	-0.2%	2,280	\$10.12	\$16.39	HS	None	Moderate-Term
Chemical Equipment Operators and Tenders	44	1.1%	1,021	\$14.91	\$21.38	HS	None	Moderate-Term

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

ANNUAL GROWTH RATE = Ten year growth rate (not shown) divided by ten;

ENTRY-LEVEL HOURLY RATE = Average of the lowest third of reported wages for the occupation;

MID-CAREER HOURLY RATE = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment;

EDUCATION/WORK EXPERIENCE/JOB TRAINING levels are determined by the U.S. Department of Labor's Bureau of Labor Statistics (BLS). Alternative pathways may exist as well as differing educational, training or licensing requirements per state. Iowa requirements are used in this publication when available.

EDUCATION:

< HS = Less than high school

HS = High school diploma or equivalent

PS = Postsecondary non-degree award

SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

Planning, managing, and performing marketing activities to reach organizational objectives.

Marketing Communications

- » Sample Careers
 - Advertising Manager
 - Public Relations Manager
 - Creative Director
 - Account Executive
 - Copywriter

Marketing Management

- » Sample Careers
 - Entrepreneur
 - Small Business Owner
 - Customer Service Representative

Marketing Research

- » Sample Careers
 - Brand Manager
 - Forecasting Manager
 - Strategic Planner
 - Research Associate

Merchandising

- » Sample Careers
 - Store Manager
 - Merchandise Buyer
 - Department Manager
 - Sales Associate

Professional Sales

- » Sample Careers
 - Regional Sales Manager
 - Sales Executive
 - Outside Sales Representative
 - Salesperson
 - Field Representative

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

19

Percent Who Continued
Their Education

15.8%



Percent Employed Among
Those Who Are Not Continuing
Education

81.2%



2016
Median Adjusted
Annual Salary

\$28,716



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



MARKETING CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS

THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	513	0.8%	18,735	\$14.48	\$30.07	HS	None	Moderate-Term
First-Line Supervisors of Retail Sales Workers	457	0.5%	14,913	\$10.55	\$16.64	HS	< 5 years	None
Insurance Sales Agents	425	1.2%	12,597	\$12.29	\$25.97	HS	None	Moderate-Term
Securities, Commodities, and Financial Services Sales Agents	146	2.1%	3,633	\$14.07	\$36.96	B	None	Moderate-Term
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	87	0.9%	3,114	\$15.73	\$36.79	B	None	Moderate-Term
First-Line Supervisors of Non-Retail Sales Workers	65	0.7%	3,173	\$15.35	\$27.21	HS	< 5 years	None
Advertising Sales Agents	64	0.3%	1,803	\$11.81	\$24.01	HS	None	Moderate-Term
Demonstrators and Product Promoters	42	0.6%	1,205	\$9.51	\$12.43	HS	None	Short-Term
Real Estate Sales Agents	40	-1.1%	2,138	\$11.61	\$17.64	HS	None	Long-Term
Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	33	1.1%	1,765	\$6.22	\$8.01	HS	None	Short-Term
Sales Engineers	13	1.5%	424	\$30.26	\$45.57	B	None	Moderate-Term
Real Estate Brokers	9	-1.4%	399	\$16.01	\$24.27	HS	< 5 years	None
Gaming Change Persons and Booth Cashiers	7	-0.5%	158	\$7.81	\$10.39	HS	None	Short-Term
Travel Agents	5	-3.2%	295	\$9.86	\$15.71	HS	None	Moderate-Term

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

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MID-CAREER HOURLY RATE = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment;

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EDUCATION:

< HS = Less than high school

HS = High school diploma or equivalent

PS = Postsecondary non-degree award

SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

Source: EMSI

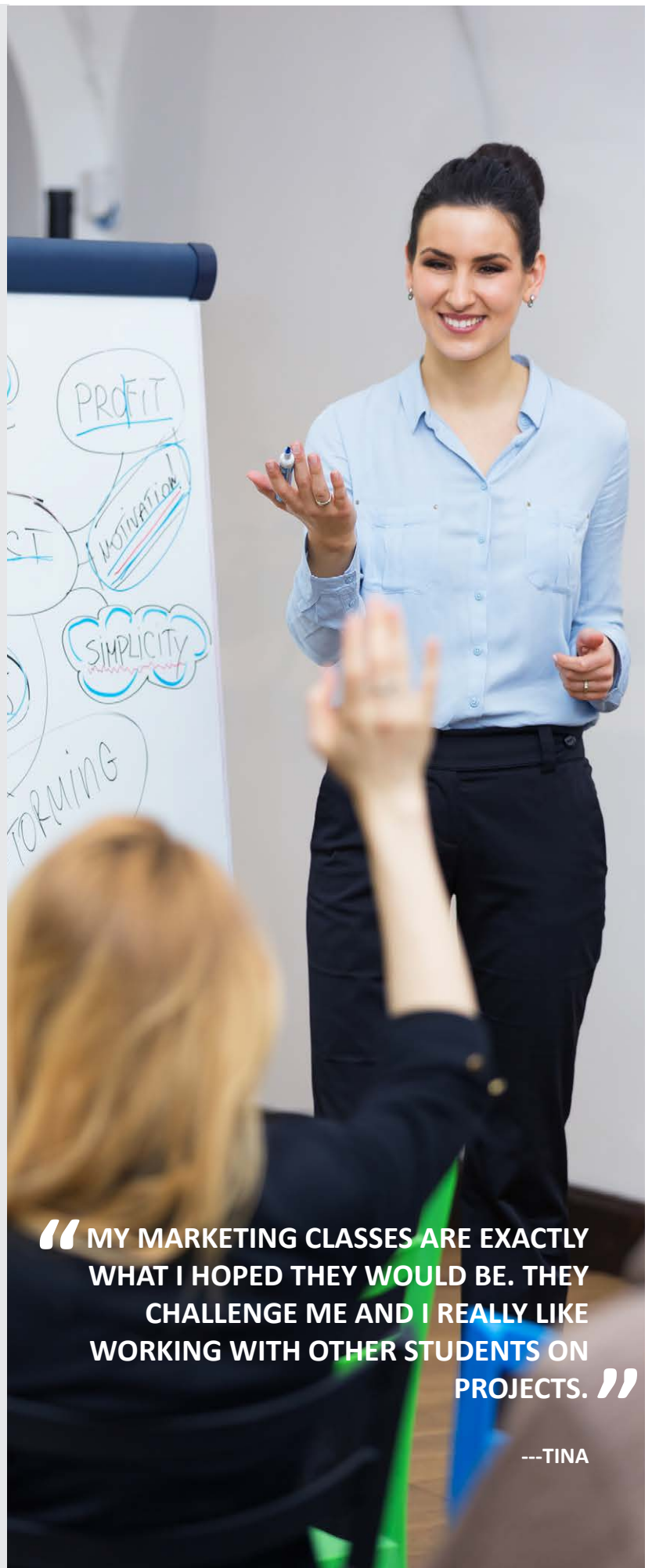


North Iowa Area Community College **PROGRAMS OF STUDY**

- **MARKETING & SALES**
 - **MARKETING - TRANSFER**
-

SUGGESTED HIGH SCHOOL COURSES

- **BUSINESS EDUCATION**
- **COMMUNICATION**
- **COMPUTER APPLICATIONS**
- **ECONOMICS**
- **ENGLISH/COMPOSITION**
- **FOREIGN LANGUAGE**
- **GRAPHIC ARTS**
- **MARKETING**
- **MATH**
- **PRE-EMPLOYMENT STRATEGIES**
- **PSYCHOLOGY**



“ MY MARKETING CLASSES ARE EXACTLY WHAT I HOPED THEY WOULD BE. THEY CHALLENGE ME AND I REALLY LIKE WORKING WITH OTHER STUDENTS ON PROJECTS. ”

---TINA



CareerClusters®
PATHWAYS TO COLLEGE & CAREER READINESS

Science, Technology, Engineering & Mathematics

Planning, managing, and providing scientific research and professional and technical services (e.g. physical science, social science, engineering) including laboratory and testing services and research and development services.

Engineering and Technology

» Sample Careers

- Electrician
- Civil Engineer
- Electronics Technician
- Manufacturing Technician
- Quality Technician

Science and Mathematics

» Sample Careers

- Anthropologist
- Biologist
- Economist
- Nuclear Chemist
- Science Teacher
- Statistician

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

19

Percent Who Continued
Their Education

26.3%



Percent Employed Among
Those Who Are Not Continuing
Education

92.9%



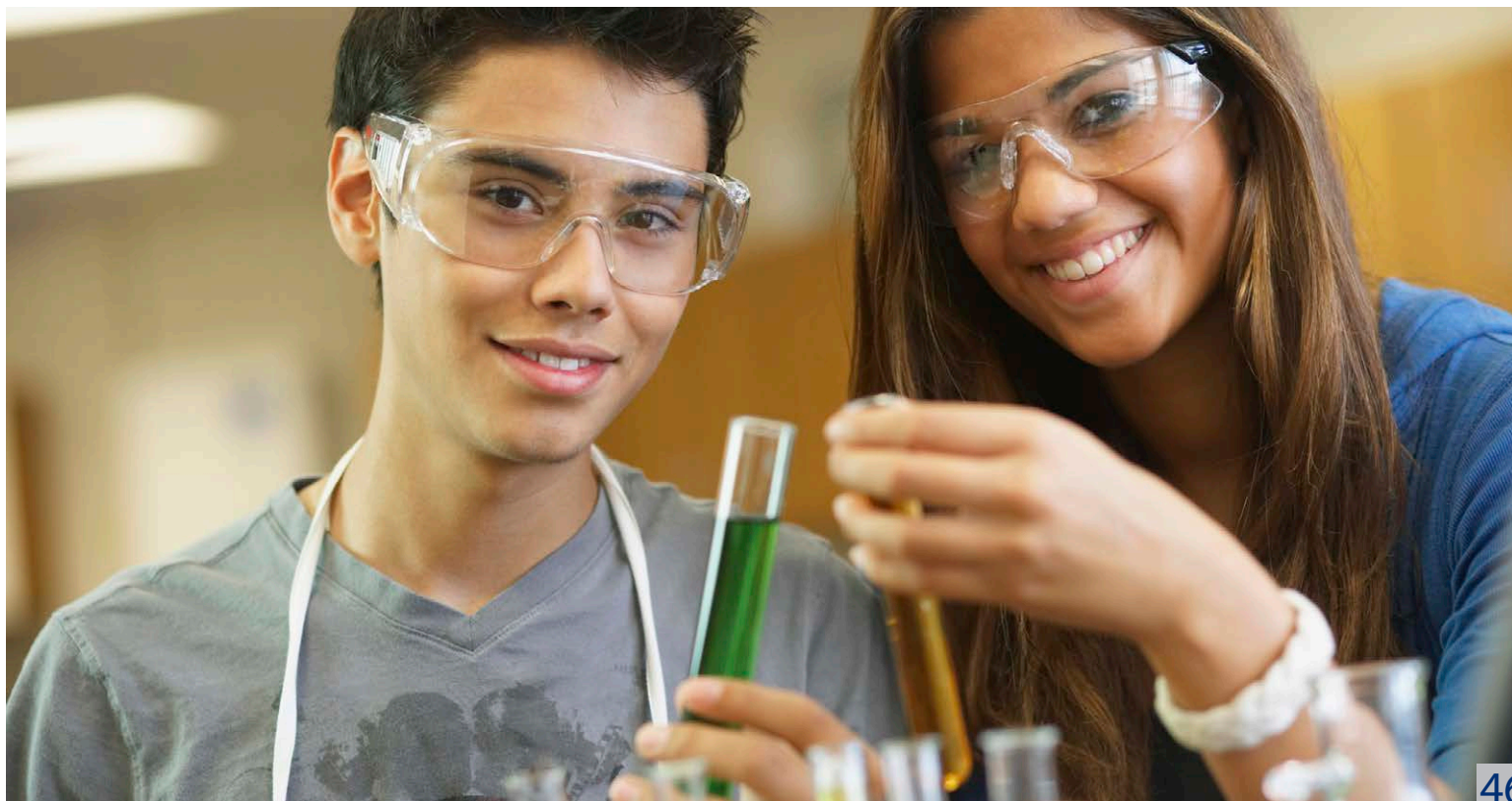
2016
Median Adjusted
Annual Salary

\$33,098



Source: Education Outcomes, AY11-AY15; Iowa Department of Education

Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS
THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Soil and Plant Scientists	88	0.7%	2,301	\$21.47	\$34.09	B	None	None
Agricultural and Food Science Technicians	51	0.9%	1,174	\$10.87	\$15.90	A	None	Moderate-Term
Biological Technicians	44	0.9%	1,197	\$12.13	\$19.06	B	None	None
Clinical, Counseling, and School Psychologists	37	0.9%	953	\$23.45	\$36.45	G	None	Internship/Residency
Medical Scientists, Except Epidemiologists	29	1.4%	882	\$19.04	\$30.41	G	None	None
Environmental Scientists and Specialists, Including Health	28	1.4%	695	\$19.72	\$31.04	B	None	None
Chemists	27	1.3%	751	\$20.21	\$33.65	B	None	None
Chemical Technicians	20	1.7%	518	\$14.22	\$20.78	A	None	Moderate-Term
Food Scientists and Technologists	18	1.0%	438	\$17.09	\$30.83	B	None	None
Forest and Conservation Technicians	17	-0.3%	413	\$14.48	\$20.50	A	None	None
Environmental Science and Protection Technicians, Including Health	15	1.9%	290	\$14.38	\$20.70	A	None	None
Urban and Regional Planners	13	0.9%	253	\$18.95	\$29.40	G	None	None
Conservation Scientists	10	-0.4%	325	\$16.15	\$27.30	B	None	None
Microbiologists	9	1.0%	237	\$20.46	\$33.50	B	None	None
Biochemists and Biophysicists	7	3.1%	142	\$24.04	\$37.09	G	None	None
Social Science Research Assistants	7	0.5%	164	\$10.92	\$17.90	A	None	None
Forensic Science Technicians	6	0.5%	127	\$23.58	\$30.97	B	None	Moderate-Term
Geoscientists, Except Hydrologists and Geographers	6	2.9%	110	\$27.12	\$39.15	B	None	None
Animal Scientists	5	0.8%	117	\$19.78	\$31.83	G	None	None
Economists	4	1.1%	90	\$28.49	\$35.44	G	None	None
Zoologists and Wildlife Biologists	4	0.8%	102	\$21.93	\$29.84	B	None	None
Atmospheric and Space Scientists	3	0.9%	102	\$30.34	\$39.20	B	None	None
Physicists	3	1.7%	77	\$32.39	\$56.75	G	None	None
Nuclear Technicians	2	1.3%	52	\$25.26	\$31.36	A	None	Moderate-Term
Foresters	2	1.5%	53	\$23.60	\$29.42	B	None	None
Geological and Petroleum Technicians	2	3.0%	31	\$21.82	\$22.34	A	None	Moderate-Term
Materials Scientists	2	1.6%	46	\$24.15	\$39.98	B	None	None
Survey Researchers	2	0.5%	77	\$12.96	\$24.64	G	None	None
Hydrologists	1	1.6%	36	\$27.23	\$33.26	G	None	None

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

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 PS = Postsecondary non-degree award
 SC = Some college, no degree

A = Associate's degree
 B = Bachelor's degree
 G = Advanced degree

North Iowa Area Community College PROGRAMS OF STUDY

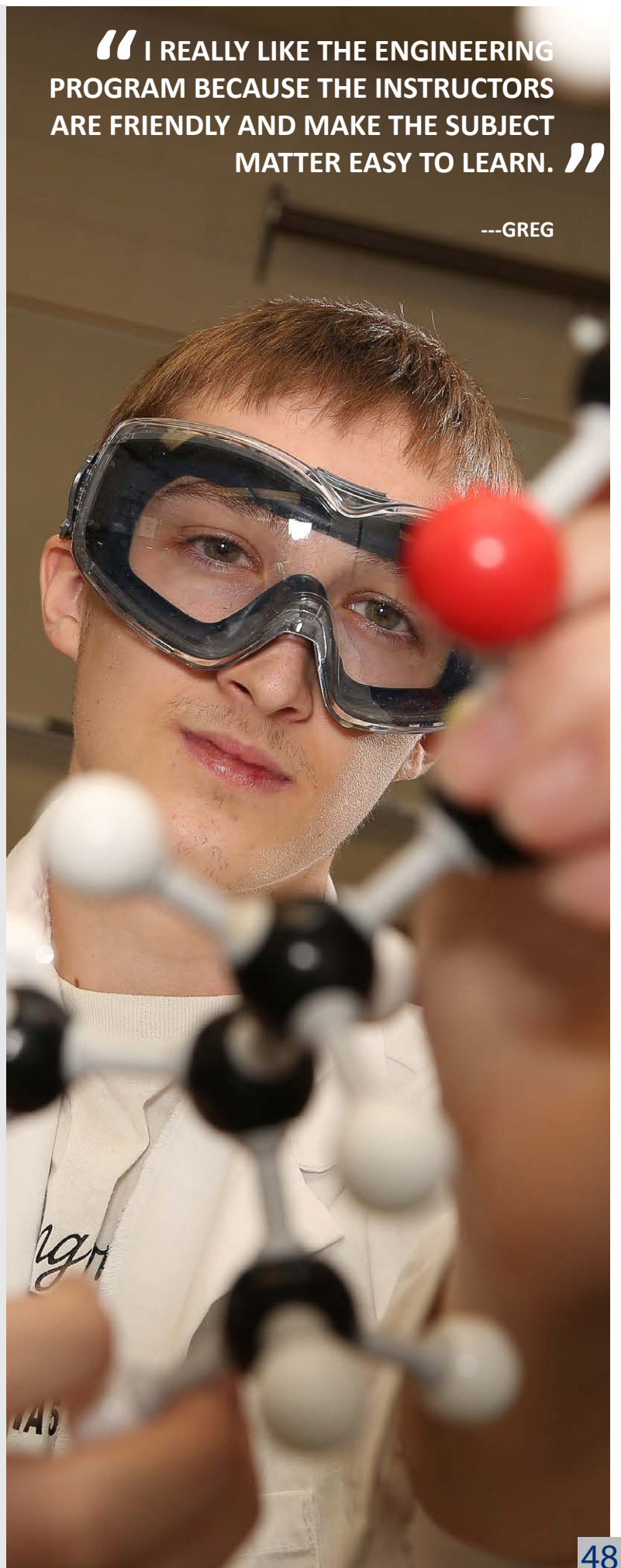
- ACTUARIAL SCIENCE & STATISTICS - TRANSFER
- BIOLOGY - TRANSFER
- BIOTECHNOLOGY
- CHEMISTRY - TRANSFER
- ENGINEERING - TRANSFER
- ENVIRONMENTAL SCIENCE - TRANSFER
- GEOGRAPHY - TRANSFER
- MATHEMATICS - TRANSFER
- PHYSICS - TRANSFER

SUGGESTED HIGH SCHOOL COURSES

- COMPUTER APPLICATIONS
- INDUSTRIAL TECHNOLOGY: ELECTRICAL SYSTEMS, CONSTRUCTION, CABINETMAKING, POWER TECHNOLOGY, DRAFTING, INTRO TO ENGINEERING, MACHINE OPERATIONS, BLUEPRINT READING
- MATH: TECHNICAL, ALGEBRA, TRIGONOMETRY, CALCULUS
- PRE-EMPLOYMENT STRATEGIES
- SCIENCE: PHYSICS, CHEMISTRY

“ I REALLY LIKE THE ENGINEERING PROGRAM BECAUSE THE INSTRUCTORS ARE FRIENDLY AND MAKE THE SUBJECT MATTER EASY TO LEARN. ”

---GREG





Transportation, Distribution & Logistics

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, water, and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

Facility and Mobile Equipment Maintenance

- » Sample Careers
 - Electrical Technician
 - Automotive Body Repair
 - Automotive Service Technician
 - Diesel Engine Technician
 - Bus and Truck Mechanic
 - Motorcycle Mechanic

Health, Safety, and Management Services

- » Sample Careers
 - Logistics Manager
 - Logistics Analyst

Sales and Service

- » Sample Careers
 - Marketing Manager
 - Sales Manager
 - Travel Agent

Transportation Operations

- » Sample Careers
 - Pilot
 - Traffic Manager
 - Dispatcher
 - Truck Driver
 - Bus Driver

Transportation Systems/Infrastructure Planning, Management, and Regulation

- » Sample Careers
 - Civil Engineering
 - Engineering Technician
 - Regional Planner

Warehousing and Distribution Center Operations

- » Sample Careers
 - Warehouse Manager
 - Distribution Manager
 - Shipping and Receiving Clerk

---Graduates: The First Year---



Number of Awards Conferred
AY11-AY15

92

Percent Who Continued
Their Education

18.3%



Percent Employed Among
Those Who Are Not Continuing
Education

93.4%

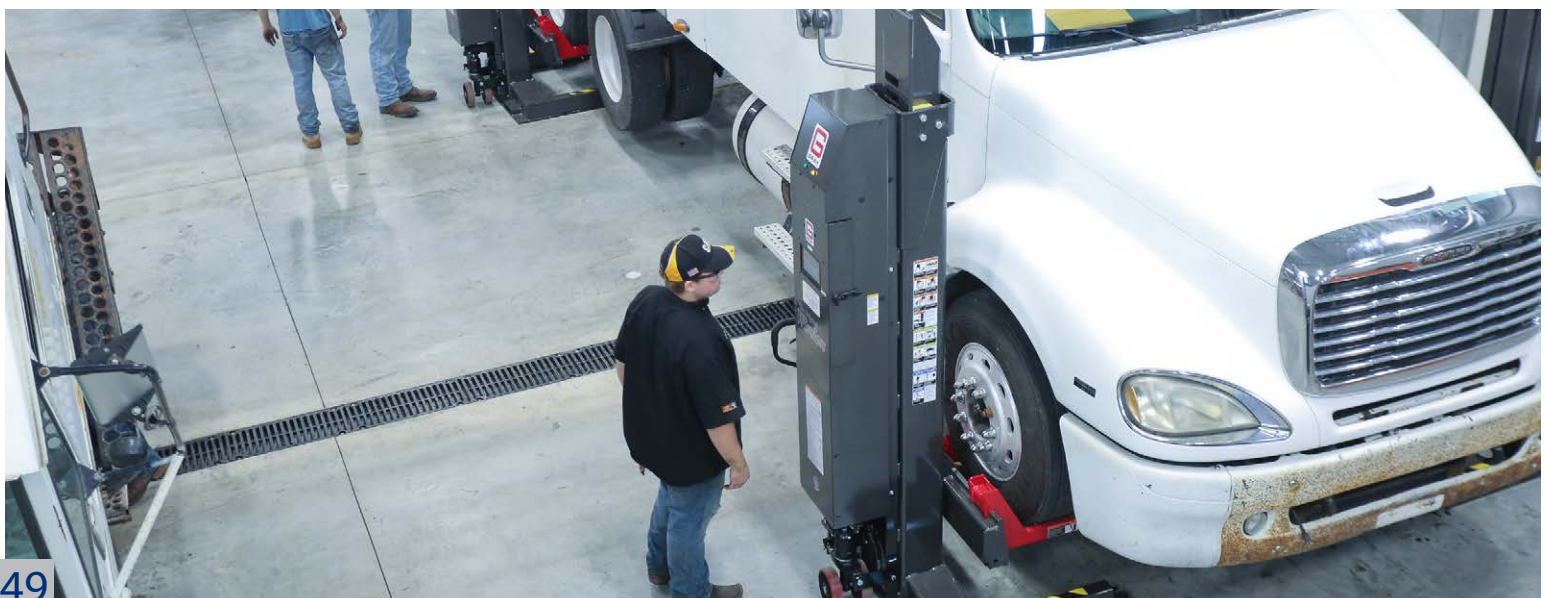


2016
Median Adjusted
Annual Salary

\$26,915



Source: Education Outcomes, AY11-AY15; Iowa Department of Education
Note: information represents community college specific outcomes. Salary information is only included for graduates who are not continuing education.



TRANSPORTATION, DISTRIBUTION AND LOGISTICS CAREER CLUSTER™ OCCUPATIONS BY ANNUAL OPENINGS
THE FOLLOWING DATA IS FOR THE STATE OF IOWA AS A WHOLE

Occupation	Annual Openings	Annual Growth	Estimated Jobs by 2025	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education	Work Experience Required	Typical On-the-Job Training
Heavy and Tractor-Trailer Truck Drivers	1,278	1.1%	45,196	\$13.21	\$19.66	PS	None	Short-Term
Light Truck or Delivery Services Drivers	273	1.0%	10,866	\$8.93	\$15.03	HS	None	Short-Term
Bus Drivers, School or Special Client	141	0.6%	6,083	\$8.92	\$15.32	HS	None	Short-Term
Driver/Sales Workers	114	0.7%	4,974	\$8.03	\$12.71	HS	None	Short-Term
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	104	1.2%	2,741	\$15.12	\$26.01	HS	< 5 years	None
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	85	1.6%	2,081	\$13.25	\$23.39	HS	< 5 years	None
Bus Drivers, Transit and Intercity	43	0.7%	1,751	\$10.12	\$14.50	HS	None	Moderate-Term
Crane and Tower Operators	38	1.5%	835	\$12.88	\$22.39	HS	< 5 years	Moderate-Term
Railroad Conductors and Yardmasters	22	0.0%	699	\$18.98	\$26.40	HS	None	Moderate-Term
Locomotive Engineers	20	0.0%	631	\$21.13	\$28.36	HS	< 5 years	Moderate-Term
Excavating and Loading Machine and Dragline Operators	17	0.7%	1,046	\$13.16	\$17.44	HS	< 5 years	Moderate-Term
Commercial Pilots	13	2.3%	283	\$20.51	\$38.75	HS	None	Moderate-Term
Railroad Brake, Signal, and Switch Operators	12	0.2%	367	\$16.89	\$26.52	HS	None	Moderate-Term
Transportation Inspectors	8	1.3%	188	\$20.63	\$32.23	HS	None	Moderate-Term
Ambulance Drivers and Attendants, Except Emergency Medical Technicians	6	1.3%	234	\$8.47	\$12.34	HS	None	Moderate-Term
Captains, Mates, and Pilots of Water Vessels	6	1.2%	100	\$20.61	\$32.04	B	None	None
Air Traffic Controllers	5	0.1%	115	\$26.60	\$46.15	A	None	Long-Term
Traffic Technicians	4	0.9%	96	\$15.25	\$18.23	HS	None	Moderate-Term
Transportation Attendants, Except Flight Attendants	3	1.1%	100	\$8.41	\$11.10	HS	None	Short-Term
Commercial Divers	2	1.0%	59	\$16.34	\$22.34	PS	None	Moderate-Term
Airfield Operations Specialists	2	0.6%	41	\$17.04	\$26.69	HS	None	Long-Term
Airline Pilots, Copilots, and Flight Engineers	2	0.9%	55	\$37.81	\$53.23	B	< 5 years	Moderate-Term
Subway and Streetcar Operators	2	0.6%	55	\$19.63	\$23.82	HS	None	Moderate-Term
Rail Yard Engineers, Dinkey Operators, and Hostlers	2	0.8%	51	\$12.82	\$16.55	HS	None	Moderate-Term
Ship Engineers	1	0.9%	25	\$24.13	\$34.56	B	None	None
Bridge and Lock Tenders	1	-0.1%	30	\$23.42	\$26.62	HS	None	Short-Term
Motorboat Operators	1	2.6%	18	\$16.96	\$24.45	HS	None	Short-Term

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 SC = Some college, no degree

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 G = Advanced degree

North Iowa Area Community College PROGRAMS OF STUDY

- LOGISTICS
- AUTOMOTIVE SERVICE TECHNOLOGY
- DIESEL TECHNOLOGY

SUGGESTED HIGH SCHOOL COURSES

- BUSINESS EDUCATION
- COMMUNICATION
- COMPUTER APPLICATIONS
- ENGLISH/COMPOSITION
- INDUSTRIAL TECHNOLOGY:
 - SMALL ENGINES, AUTOMOTIVE, DIESEL, WELDING, POWER TECHNOLOGY
- MATH
- PRE-EMPLOYMENT STRATEGIES
- SCIENCE: TECHNICAL PHYSICS



“ THE CLASSES HAVE A TON OF HANDS ON INSTRUCTION WHICH OF COURSE IS MY FAVORITE PART. YOU ARE NOT SITTING IN A CLASS ALL DAY, YOU ARE WORKING ON ACTUAL CUSTOMER CARS AND TRUCKS AND THAT EXPERIENCE IS SO VALUABLE FOR WHEN I GET OUT INTO THE REAL WORLD OF WORK. ”

---JAMIE

Regional In-Demand Occupations

IN-DEMAND OCCUPATIONS IN THE NORTH IOWA AREA COMMUNITY COLLEGE REGION

OCCUPATIONS BY NUMBER OF ANNUAL OPENINGS AND AVERAGE HOURLY WAGE OF \$15.00 OR MORE

Occupation	Annual Openings	Entry-Level Hourly Rate	Mid-Career Hourly Rate	Typical Entry-Level Education
Team Assemblers	215	\$11.88	\$15.11	HS
Heavy and Tractor-Trailer Truck Drivers	183	\$12.76	\$18.13	PS
Welders, Cutters, Solderers, and Brazers	107	\$13.43	\$17.89	HS
Construction Laborers	87	\$11.47	\$18.48	< HS
General and Operations Managers	77	\$12.72	\$37.74	B
Registered Nurses	75	\$19.57	\$25.66	B
Customer Service Representatives	70	\$10.56	\$17.18	HS
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	67	\$14.80	\$29.52	HS
Maintenance and Repair Workers, General	64	\$11.43	\$17.86	HS
First-Line Supervisors of Retail Sales Workers	56	\$10.60	\$16.63	HS
First-Line Supervisors of Production and Operating Workers	52	\$16.93	\$24.61	HS
Elementary School Teachers, Except Special Education	51	\$15.15	\$23.65	B
Light Truck or Delivery Services Drivers	48	\$9.19	\$17.20	HS
Automotive Service Technicians and Mechanics	40	\$10.39	\$16.93	PS
Carpenters	40	\$12.28	\$16.55	HS
Social and Human Service Assistants	38	\$9.26	\$16.82	HS
Accountants and Auditors	38	\$16.87	\$28.72	B
Inspectors, Testers, Sorters, Samplers, and Weighers	35	\$11.96	\$17.63	HS
First-Line Supervisors of Office and Administrative Support Workers	34	\$13.62	\$23.40	HS
Secondary School Teachers, Except Special and Career/ Technical Education	30	\$16.78	\$24.73	B
Agricultural Equipment Operators	30	\$12.65	\$16.64	< HS
Mixing and Blending Machine Setters, Operators, and Tenders	30	\$12.13	\$17.68	HS
Bus Drivers, School or Special Client	28	\$8.87	\$15.04	HS
Industrial Machinery Mechanics	25	\$15.18	\$21.31	HS
Billing and Posting Clerks	24	\$11.88	\$16.96	HS
Operating Engineers and Other Construction Equipment Operators	24	\$15.44	\$20.86	HS
Medical Secretaries	23	\$9.70	\$15.69	HS
Shipping, Receiving, and Traffic Clerks	23	\$12.37	\$16.57	HS
Automotive Body and Related Repairers	23	\$10.82	\$17.34	HS
Parts Salespersons	22	\$12.08	\$19.45	< HS
Medical Assistants	21	\$12.71	\$15.71	PS

ANNUAL OPENINGS = Annual New Jobs plus Annual Replacements (rounded); Employment data suppression (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten rounded total annual openings.);

ENTRY-LEVEL HOURLY RATE = Tenth percentile of reported wages for the occupation;

MID-CAREER HOURLY RATE = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment;

EDUCATION levels are determined by the U.S. Department of Labor's Bureau of Labor Statistics (BLS). Alternative pathways may exist as well as differing educational, training or licensing requirements per state. Iowa requirements are used in this publication when available.

EDUCATION:

< HS = Less than high school

HS = High school diploma or equivalent

PS = Postsecondary non-degree award

SC = Some college, no degree

A = Associate's degree

B = Bachelor's degree

G = Advanced degree

County Information

Source: Iowa Workforce Development, QCEW 2017 Q1

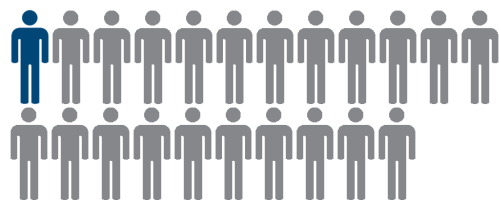
Cerro Gordo

Top Industries by Number of Businesses	Number of Businesses by Employment Size				
	<5	5-9	10-49	50+	Total
Retail Trade	83	68	71	14	236
Health Care and Social Assistance	72	29	45	18	164
Other Services	114	30	14	***	159
Accommodation and Food Services	44	29	58	8	139
Construction	89	22	20	***	133

Top Industries by Employment Level	Total Employees
Health Care and Social Assistance	5,429
Retail Trade	3,620
Manufacturing	2,676
Accommodation and Food Services	2,125
Educational Services	1,953



In FY15,
1,811 students in Cerro Gordo County were served by North Iowa Area Community College.



1 in 22 Cerro Gordo County residents are served by North Iowa Area Community College annually.

Floyd

Top Industries by Number of Businesses	Number of Businesses by Employment Size				
	<5	5-9	10-49	50+	Total
Health Care and Social Assistance	38	3	15	6	62
Other Services	46	8	4	***	58
Retail Trade	28	9	17	3	57
Finance and Insurance	30	6	***	***	39
Construction	22	6	5	***	33

Top Industries by Employment Level	Total Employees
Manufacturing	1,590
Health Care and Social Assistance	930
Retail Trade	772
Educational Services	542
Accommodation and Food Services	289



In FY15,
1,416 students in Floyd County were served by North Iowa Area Community College.



1 in 14 Floyd County residents are served by North Iowa Area Community College annually.

Franklin

Top Industries by Number of Businesses	Number of Businesses by Employment Size				
	<5	5-9	10-49	50+	Total
Retail Trade	16	12	9	***	38
Construction	24	5	7	***	37
Wholesale Trade	21	9	7	***	37
Other Services	31	3	***	***	35
Agriculture, Forestry, Fishing and Hunting	21	6	3	***	30

Top Industries by Employment Level	Total Employees
Manufacturing	829
Health Care and Social Assistance	443
Educational Services	370
Retail Trade	342
Management of Companies	244



In FY15,
2,554 students in Franklin County were served by North Iowa Area Community College.



1 in 14 Franklin County residents are served by North Iowa Area Community College annually.

Hancock

Top Industries by Number of Businesses	Number of Businesses by Employment Size				
	<5	5-9	10-49	50+	Total
Retail Trade	22	10	10	***	43
Wholesale Trade	20	8	11	***	39
Transportation and Warehousing	25	5	5	3	38
Other Services	26	7	***	***	34
Construction	23	4	3	***	30

Top Industries by Employment Level	Total Employees
Manufacturing	3,269
Health Care and Social Assistance	680
Transportation and Warehousing	505
Retail Trade	329
Wholesale Trade	261



In FY15,
335 students in Hancock County were served by North Iowa Area Community College.



1 in 33 Hancock County residents are served by North Iowa Area Community College annually.

Mitchell

Top Industries by Number of Businesses	Number of Businesses by Employment Size				
	<5	5-9	10-49	50+	Total
Construction	37	12	5	***	54
Retail Trade	28	12	11	***	51
Other Services	32	3	***	***	35
Health Care and Social Assistance	9	7	11	3	30
Agriculture, Forestry, Fishing and Hunting	18	***	5	***	25

Top Industries by Employment Level	Total Employees
Manufacturing	1,039
Health Care and Social Assistance	584
Educational Services	408
Retail Trade	356
Construction	226



In FY15,
1,811 students in Mitchell County were served by North Iowa Area Community College.



1 in **22** Mitchell County residents are served by North Iowa Area Community College annually.

Winnebago

Top Industries by Number of Businesses	Number of Businesses by Employment Size				
	<5	5-9	10-49	50+	Total
Retail Trade	27	7	21	***	56
Construction	27	8	5	***	41
Other Services	34	4	***	***	39
Health Care and Social Assistance	21	5	7	3	36
Wholesale Trade	21	4	4	***	29

Top Industries by Employment Level	Total Employees
Educational Services	734
Manufacturing	575
Retail Trade	549
Health Care and Social Assistance	462
Agriculture, Forestry, Fishing and Hunting	309



In FY15,
1,416 students in Winnebago County were served by North Iowa Area Community College.



1 in **14** Winnebago County residents are served by North Iowa Area Community College annually.

Worth

Number of Businesses by Employment Size

Top Industries by Number of Businesses	<5	5-9	10-49	50+	Total
Construction	26	6	3	***	35
Other Services	20	3	***	***	25
Retail Trade	12	7	5	***	24
Wholesale Trade	11	7	4	***	22
Finance and Insurance	14	3	***	***	18

Top Industries by Employment Level Total Employees

Manufacturing	445
Arts, Entertainment and Recreation	383
Educational Services	194
Health Care and Social Assistance	172
Retail Trade	170



In FY15,
2,554 students in Worth County
were served by North Iowa Area
Community College.



1 in 14 Worth County residents are served by
North Iowa Area Community College annually.

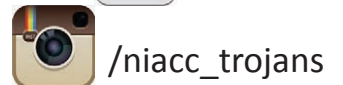
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