ASSESSMENTS

Learn About Yourself

One of the best ways to explore careers is to understand more about yourself. Answer questions to discover your interests, values, likes and dislikes. Use these tools to discover a career you will enjoy.

<table>
<thead>
<tr>
<th>CCI Quick Fit</th>
<th>Career Cluster Inventory</th>
<th>Entrepreneurial Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use images to help you find career clusters that match your interests.</td>
<td>Find out which career clusters match your interests.</td>
<td>See if self-employment is a good fit for you.</td>
</tr>
<tr>
<td>Interest Profiler</td>
<td>Learning Styles Survey</td>
<td>Occupation Sort</td>
</tr>
<tr>
<td>Discover work areas that match your interests.</td>
<td>Identify the ways that you learn best.</td>
<td>Learn more about your work preferences.</td>
</tr>
<tr>
<td>Reality Check</td>
<td>Workplace Employability Skills</td>
<td>Work Importance Ladder</td>
</tr>
<tr>
<td>Find out how much money you need for the college you choose.</td>
<td>Evaluate your employability skills.</td>
<td>Prioritize your workplace needs and values.</td>
</tr>
</tbody>
</table>
Career Cluster Inventory

Interest Profiler
Workplace Employability Skills

Occupation Sort
Careers/ Occupations

Explore Careers

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

Information Technology Cluster

In the Information Technology (IT) cluster, you would work with computer hardware, software, multimedia, and network systems.

Top 5 Salaries

- Computer Network Architects
- Computer Engineers
- Information Security Analysts
- Database Administrators
- Computer Systems Analysts

Top 5 Employment Opportunities

- Computer Engineers
- Computer User Support Specialists
- Computer Systems Analysts
- Computer Systems Administrators
- Computer Network Support Specialists

Take the Career Cluster Inventory to see if this Career Cluster is a match for you.
Computer engineers design and test computer hardware and software.

**Job Tasks**
- Analyze information to determine software and hardware needs.
- Confer with clients and project managers to obtain information about projects.
- Determine whether software and hardware can be created in time and within the budget.
- Meet with other computer engineers to make sure the program and the computer will work together.

**Career Clusters**
- Information Technology

**Work Setting**
- Almost always work as part of a team of engineers.
- Always work indoors.
- Must make sure that all details are performed and are completed accurately. Errors could cause computer systems to malfunction.
- Work 40 hours per week.

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### Annual Wages

<table>
<thead>
<tr>
<th>Location</th>
<th>Entry Wage</th>
<th>Median Wage</th>
<th>Experienced Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td>$86,760</td>
<td>$114,800</td>
<td>$146,020</td>
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</table>

**Computer hardware engineers (17-2061)**

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<table>
<thead>
<tr>
<th>Location</th>
<th>Entry Wage</th>
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<th>Experienced Wage</th>
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<td>United States</td>
<td>$79,340</td>
<td>$103,620</td>
<td>$130,460</td>
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**Software developers, applications (15-1132)**

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<table>
<thead>
<tr>
<th>Location</th>
<th>Entry Wage</th>
<th>Median Wage</th>
<th>Experienced Wage</th>
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<tbody>
<tr>
<td>United States</td>
<td>$85,610</td>
<td>$110,000</td>
<td>$139,550</td>
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</table>

**Software developers, systems software (15-1133)**
Demand for computer engineers is expected to be very strong. Software developers will have the strongest job growth due to the increased need for applications used by cell phones and other mobile devices. Health care computing needs and business security needs will also create more jobs for developers.

Demand will not be as strong for computer hardware engineers. The newest computer technology relies less on computer hardware and more on wireless connections. Job prospects are best for
Helpful High School Courses

In high school, take classes that prepare you for college. A college preparatory curriculum may be different from your state's.

You should also consider taking some advanced courses in high school. This includes Advanced Placement (AP) and International Baccalaureate (IB) courses if they are available in your school. If you do well in these courses, you may receive college credit for them. Advanced courses can also strengthen your college application.

Helpful electives to take in high school that prepare you for this occupation include:

- Computer Applications
- Computer Programming
- Computer Science
- Electronics
- Network Technology

The courses listed above are meant to help you create your high school plan. If you have not already done so, talk to a school counselor or parent about the courses you are considering taking.

You should also check with a teacher or counselor to see if work-based learning opportunities are available in your school and community. These might include field trips, job shadowing, internships, and actual work experience. The goal of these activities is to help you connect your school experiences with real-life work.

Join some groups, try some hobbies, or volunteer with an organization that interests you. By participating in activities you can have fun, make new friends, and learn about yourself. Maybe one of them will help direct you to a future career. Here are examples of activities and groups that may be available in your high school or community.

At a Glance

- Your Interest Profile scores show that your top 2 interests are:

  - Practical
  - Social

Computer engineers typically have the following interests:

- Have investigative interests. They like work activities that have to do with ideas and thinking. They like to search for facts and figure out solutions to problems mentally.

- Have realistic interests. They like work activities that include practical, hands-on problems and solutions. They like to work with plants, animals, and physical materials such as wood, tools, and machinery. They often prefer to work outside.

- Have conventional interests. They like work activities that follow set procedures, routines, and standards. They like to work with data and detail. They prefer working where there is a clear line of authority to follow.

Values

- Consider achievement important. They like to see the results of their work and to use their strongest abilities. They like to get a feeling of accomplishment from their work.

- Consider recognition important. They like to work in jobs which have opportunities for them to advance, be recognized for their work, and direct and instruct others. They usually prefer jobs in which they are looked up to by others.

- Consider support from their employer important. They like to be treated fairly and have supervisors who will back them up. They prefer jobs where they are trained well.
EDUCATION

Explore Education

There is a lot to consider when thinking about your education. Learn about training and school options. Find scholarships and financial aid. The more you know, the better education decisions you will make.
Postsecondary Schools

Scholarships
Course Planner

You are 32% on track for graduation. You have earned 23 credits out of the required 24 for graduation. Your active pathway is Job Track - General Ed. Select a pathway to view planning for graduation.

12th Grade Components

ICAP 12th Grade

Total: 15
Completed: 86%

- Workplace Proficiency Tests
- Course Projects, Clusters, & Pathways
- Student Self-Assessment
- Postsecondary Preparation
- Postsecondary Goals
- Postsecondary Options
- Co-Curricular Activities
- Work-Based Learning
- Extracurricular Activities
- Assessments/inventories/academic results
- RAAs
- Scholarship Applications
- Scholarships
- Ce Track for Graduation
- Postsecondary Applications
- Postsecondary Schools
- Task Report
### Individual Career and Academic Plan (ICAP)

**Name:** Ox, Stacy  
**Graduation Year:** 2019

<table>
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<tr>
<th>Grade</th>
<th>Requirements/Credits</th>
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<th>1st Semester</th>
<th>2nd Semester</th>
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**Postsecondary Options:**
- Direct to college
- School-based Career Center
- Vocational Training (apprenticeship)
- Pre-college
- Transition to college or university

**Postsecondary Goals:** To pursue a career in a travel-related field.

**Additional Notes:**
- No AP Program
- No CTE Certificate
- No Industry-Recognized Endorsement
- No NCAA
- No Technical Certification

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**Individual Career and Academic Plan (ICAP)**

**Name:** Ox, Stacy  
**Graduation Year:** 2019

<table>
<thead>
<tr>
<th>Standards-Based Learning</th>
<th>Internship</th>
<th>CTE/Industry Work-Based Learning</th>
<th>Scholarship Information</th>
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<th>Assessment/Industry Skills</th>
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<td>8/11/17</td>
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<td>8/11/17</td>
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**Scholarship Information:**
- Missouri Travel Council Scholarship - deadline: March 1 of 2019

**Postsecondary Applications:**
- Northwest Missouri State University: Application submitted 6/2/19

**Additional Notes:**
- American Civic Union
- Missouri Graduation Exam
- PLTW: Career Readiness
- Physical Activity: 1 credit

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**SkillsUSA; FBLA; FFA; Band/Choir**
Contact Information

Missouri Connections Staff

- Charlene Piel
- Lisa Redden

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- St. Louis, MO 63134
- 314-304-3808