# Regional College-Career Pathway: Information Technology

## ORIENTATION / INTRODUCTION
**Grades 9–10**
- Computer Applications
- CIS 110 Introduction to Computers
- AP Computer Science Principles

## SKILL DEVELOPMENT
**Grades 10–12**
- AP Computer Science A
- CIS 105 Introduction to Computer Programming
- IT Course (i.e. MobileMaker)
- CIS 230 Computer Hardware & Troubleshooting
- CIS 231 Introduction to Windows OS

## CAPSTONE / ADVANCED
**Grades 12**
- CIS 121 Computer Science I
- CIS 127 Discrete Structures
- CIS 252 Network Fundamentals (CompTIA Network + Exam Certification)

Courses and Work-Based Learning Address the PWR Act Recommended Technical and Essential Employability Competencies

### Career Exploration
- Team-Based Challenge
- Science Sequence
- Social Science Sequence
- Algebra
- Geometry
- English Sequence

### Team-Based Challenge
- Career Development Experience
- Youth Apprenticeship
- Science Sequence
- Social Science Sequence
- Geometry
- Algebra 2
- Pre-Calculus
- English Sequence

### AP Biology
- or
- BIO 108 Biology for Contemporary Society

### Transitional Math STEM
- MTH 112 College Algebra
- MTH 190 Calculus with Analytical Geometry I
- AP Calculus
- or
- AP Language & Composition
- or
- ENG 101 English Composition I & ENG 102 English Composition II
### Selected Occupations, Wages, & Job Growth

<table>
<thead>
<tr>
<th>Program</th>
<th>Typical Job</th>
<th>Near or Above Living Wage Threshold for 1 Adult + 1 Child ¹</th>
<th>Median Hourly Wage ²</th>
<th>Growth in Illinois: Annual Job Openings ²</th>
<th>Growth in Illinois: % Change Over 10 years ²</th>
<th>Stackable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Information Systems AAS</td>
<td>Computer Systems Analysts</td>
<td>Y</td>
<td>$42.13</td>
<td>2,230</td>
<td>9%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Computer User Support Specialists</td>
<td>Y</td>
<td>$26.27</td>
<td>2,220</td>
<td>11%</td>
<td></td>
</tr>
</tbody>
</table>
| Guided Transfer Computer Science | Computer and Information Systems Managers | Y | $69.43 | 1,370 | 10% | | ...
| | Computer Hardware Engineers | Y | $48.49 | 110 | 12% | | Typically Stacks to Bachelor’s Program |
| | Software Developers - Applications | Y | $49.47 | 2,690 | 28% | | |
| | Software Developers - Systems Software | Y | $49.17 | 1,030 | 13% | | |
| | Computer and Information Research Scientists | Y | $58.35 | 90 | 21% | | |
| Networking / Cybersecurity Certification | Computer Network Support Specialists | Y | $29.46 | 840 | 8% | | |

¹ Living wage calculations are based on MIT’s Living Calculator (https://livingwage.mit.edu/), where the “Living Wage” for 1 Adult + 1 Child is $26.27/hour for the state of Illinois. “Near” defined as 85% of the statewide living wage, which is $22.33/hour.


---

1. Living wage calculations are based on MIT’s Living Calculator (https://livingwage.mit.edu/), where the “Living Wage” for 1 Adult + 1 Child is $26.27/hour for the state of Illinois. “Near” defined as 85% of the statewide living wage, which is $22.33/hour.