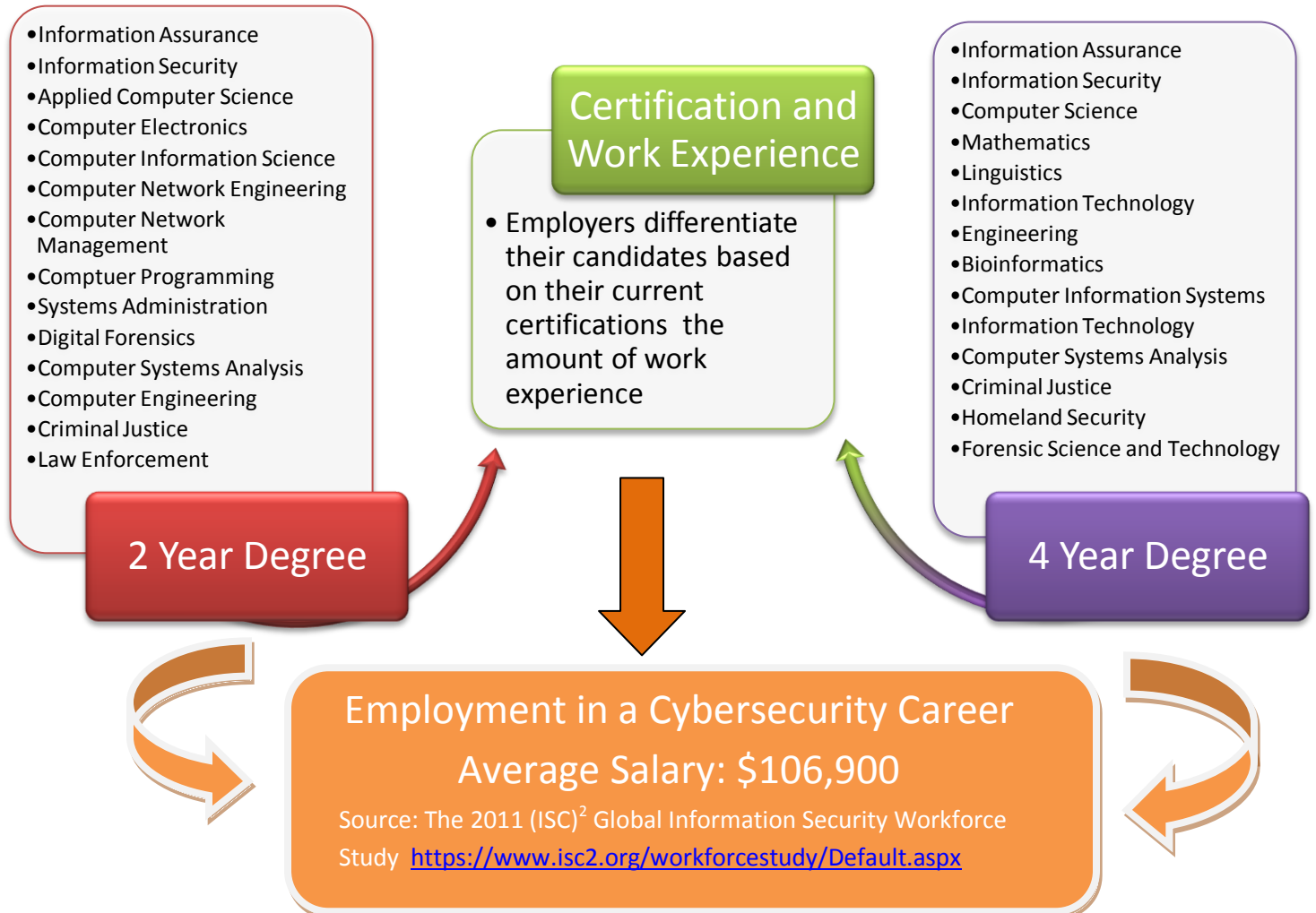# Pathways to Cybersecurity Careers

Employers want graduates who understand that technical as well as human interventions provide for effective defenses. In addition to technical competence, IA professionals need to exhibit creative problem solving, organizational awareness, patience, self-management and teamwork skills.

- Information Assurance
- Information Security
- Applied Computer Science
- Computer Electronics
- Computer Information Science
- Computer Network Engineering
- Computer Network Management
- Comptuer Programming
- Systems Administration
- Digital Forensics
- Computer Systems Analysis
- Computer Engineering
- Criminal Justice
- Law Enforcement

2 Year Degree

Certification and Work Experience

- Employers differentiate their candidates based on their current certifications the amount of work experience

- Information Assurance
- Information Security
- Computer Science
- Mathematics
- Linguistics
- Information Technology
- Engineering
- Bioinformatics
- Computer Information Systems
- Information Technology
- Computer Systems Analysis
- Criminal Justice
- Homeland Security
- Forensic Science and Technology

4 Year Degree

Employment in a Cybersecurity Career
Average Salary: $106,900

Source: The 2011 (ISC)[2] Global Information Security Workforce Study https://www.isc2.org/workforcestudy/Default.aspx

http://www.edtechpolicy.org/cyberk12/