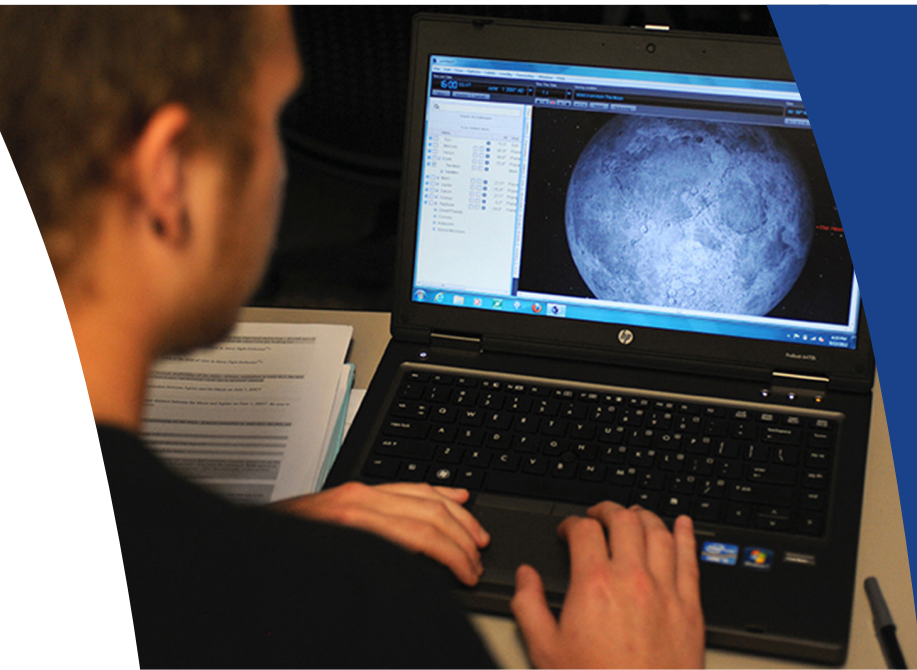




# New Jersey Pathway and Skills Collaborative INNOVATION & TECHNOLOGY



- ✓ **Sector accounted for 182,423 jobs in 2018**
- ✓ **Annual average wage for the sector was \$129,263 in 2018, nearly double the statewide average**
- ✓ **Employers in the industry paid over \$23.5 billion in wages in 2018**



## Industry Analysis

- 15,369 establishments
- 182,423 people employed
- Employment within the technology sector can primarily be found within:
  1. Professional and technical services (23.2%); and
  2. Information (76.8%)

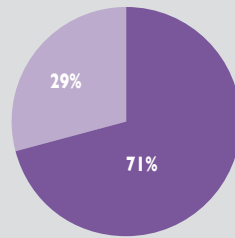


## Trends Analysis

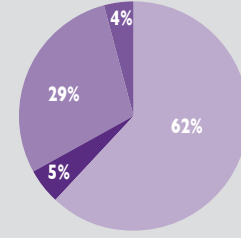
- Nearly 77% of all business establishments in the sector were in the professional and technical services in 2018
- Wages in the sector have nearly double of the statewide annual average wage since 2011
- Within the sector, near 40% of employment was found in Computer Systems Design and Related Services
- Computer systems design & related services and architectural and engineering accounted for nearly 90% of all establishments in the industry



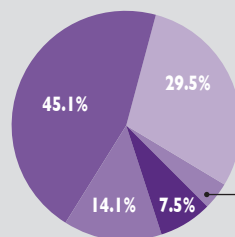
## Demographic Analysis



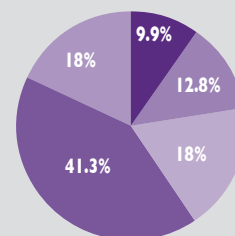
**Gender**  
71% male  
29% female



**Ethnicity**  
62% White  
5% Black  
29% Asian  
4% Other



**Education Level**  
7.5% high school or less  
14.1% some college/associate degree  
45.1% bachelor's degree  
29.5% master's/professional degree  
3.8% doctoral degree



**Personal Earnings**  
9.9% < \$25,000  
12.8% > \$25,000  
18% > \$50,000  
41.3% > \$75,000  
18% > \$150,000

# OCCUPATIONAL ANALYSIS

## 2018 EMPLOYMENT, AVERAGE SALARY AND MINIMUM EDUCATIONAL REQUIREMENT

OCCUPATIONS AND MINIMUM EDUCATIONAL REQUIREMENT	2018 EMPLOYMENT AND AVERAGE SALARY	
<b>SOFTWARE DEVELOPERS, APPLICATIONS*</b> <i>Bachelor's degree</i>	27,040	\$108,660
<b>COMPUTER PROGRAMMERS*</b> <i>Bachelor's degree</i>	5,960	\$84,010
<b>COMPUTER AND INFORMATION SYSTEMS MANAGERS</b> <i>Bachelor's degree</i>	5,340	\$146,360
<b>SOFTWARE DEVELOPERS, SYSTEMS SOFTWARE*</b> <i>Bachelor's degree</i>	4,970	\$108,660
<b>CIVIL ENGINEERS*</b> <i>Bachelor's degree</i>	4,500	\$87,060
<b>GENERAL AND OPERATIONS MANAGERS</b> <i>Some college/associate degree</i>	4,180	\$100,780
<b>BIOCHEMISTS AND BIOPHYSICISTS*</b> <i>Doctoral or professional degree</i>	4,020	\$94,490
<b>COMPUTER USER SUPPORT SPECIALISTS*</b> <i>Some college/associate degree</i>	3,940	\$61,720
<b>MARKET RESEARCH ANALYSTS AND MARKETING SPECIALISTS*</b> <i>Bachelor's degree</i>	2,690	\$63,790
<b>ACCOUNTANTS AND AUDITORS*</b> <i>Associate degree</i>	2,690	\$71,550
<b>NETWORK AND COMPUTER SYSTEMS ADMINISTRATORS*</b> <i>Associate degree</i>	2,640	\$97,420
<b>CHEMISTS*</b> <i>Bachelor's degree</i>	1,760	\$77,630
<b>CUSTOMER SERVICE REPRESENTATIVES</b> <i>High school diploma or equivalent</i>	1,490	\$34,710
<b>BOOKKEEPING, ACCOUNTING AND AUDITING CLERKS</b> <i>Some college, no degree</i>	1,420	\$41,230
<b>SALES REPRESENTATIVES, WHOLESALE AND MANUFACTURING, EXCEPT TECHNICAL AND SCIENTIFIC PRODUCTS</b> <i>Some college, no degree</i>	1,400	\$59,930
<b>MANAGEMENT ANALYSTS</b> <i>Bachelor's degree</i>	1,290	\$98,510

\* STEM Occupations

2018 EMPLOYMENT

AVERAGE SALARY

Source: (Office of Research and Information, New Jersey Department of Labor and Workforce Development)