



EMPLOYABILITY PROFILE

Data Analytics

Industry-Based Skill Standards



NA = Not Applicable 1 = Introduced 2 = Developing 3 = Proficient 4 = Mastery

	9th	10th	11th	12th
Data Science				
Recognizes the applicability of Data Science to many real-world problems. Explains Data Science safety tools and how businesses use them for risk management.				
Data Ethics and Privacy				
Describes ethical and privacy considerations in the field of data science, and explains the impact of computers on access to information and information exchange worldwide.				
Data Analytics Workflow				
Demonstrates Data Analytics workflow and how to use a spreadsheet to access, extract, filter, and sorts the data in a secure way.				
Excel				
Demonstrates foundational skills in Excel to include creating, navigating, formatting, and customizing worksheets and workbooks.				
Python Program				
Creates, modifies and adds to a Python program to produce new output.				
R Program				
Creates, modifies and adds to a R program to produce new output.				
Design Skills				
Creates a data visualization that presents data clearly and accurately.				
Presentation and Reporting Skills				
Creates reports and dashboards that present findings with visual evidence and recommendations based on the initial data questions.				

	9th	10th	11th	12th
Scala Program				
Creates, modifies and add to Scala programs to produce new output.				
C Program				
Creates, modifies and add to C programs to produce new output.				
C + + Program				
Creates, modifies and add to C++ programs to produce new output.				
Power BI Dashboard Platforms				
Creates, modifies and add to Power BI dashboard platforms to produce new output.				
Tableau Dashboard Platforms				
Creates, modifies and add to Tableau dashboard platforms to produce new output.				
SQL Program				
Creates, modifies and add to a SQL program to produce new output.				
Statistical Methods for Analyzing Data				
Describes and give examples of the four levels of measurement in data and statistics: nominal scale, ordinal scale, interval scale, and ratio scale.				
Career Development Portfolio				
Creates a career development portfolio using appropriate writing skills to create cover letter, resumes, samples of work, and career plan to be used in the job seeking process.				

Industry Certifications / Credential / Endorsement	yes	no

Articulated College Credit or Advanced Standing	credits
Total	