

DigiPen Data Analytics



- ◆ **Location:** DigiPen Institute of Technology
- ◆ **High School Credits:** CTE (2.0), Math (1.0)
- ◆ **Program fees apply** (financial assistance may be available for qualifying students)
- ◆ **College Credits:** DigiPen Credits TBD
- ◆ **Prerequisite:** Algebra 2 or instructor permission

This is a full year 3-period Skill Center class (3 high school credits). Virtually everything people interact with is driven by or generates some form of data. Whether in manufacturing, retail, health care, government, sports, or entertainment, the dramatic increase in data has resulted in a demand for trained professionals who can take raw, unorganized data and visually represent the information so it is understandable. This NEW computer science-based program offered by DigiPen explores practical challenges involving complex, real-world data and examines a wide range of case studies. It also provides a comprehensive look at the various post-secondary pathways and career opportunities for a market that is projected by the U.S. Bureau of Labor Statistics to grow to over \$132 billion by 2026.

- Understand the applications and implications of data science in different industries.
- Learn how to extract strategic insights from data and efficiently communicate them using a variety of tools.
- Discover mathematical topics from probability and statistics to linear algebra and calculus.
- Learn basic programming skills using Python and examine machine learning and artificial intelligence tools that automate analysis processes.
- Build models to predict future trends and use them to inform business strategy.

wanic.org



DigiPen Data Analytics & Visualization

DigiPen Data Analytics & Visualization Occupations

Sample of reported job titles: Data Analyst, Data Analyst II (Microsoft), Sr. Data Analyst (Disney Streaming), Sr. Healthcare Data Analyst (Chewy.com), Data Analyst for Student Information (State of Washington), HR Data Analyst (Microsoft), Marketing Data Analyst (Pitchbook Data Inc.), Data Analyst and Business Insights Specialist (Hewlett Packard), Native Educator Pathways Data Analyst (State of Washington), Business Intelligence Analyst for Marketing (The Pokemon Company International, Bellevue), Data Analyst/Engineer-Information Technology (State of Washington).

Median Yearly Salary Seattle King County Metro area*

- ◆ Data Scientists and Mathematical Science Occupations \$120,260
- ◆ Market Research Analysts and Marketing Specialists \$91,130
- ◆ Information Security Analysts \$110,450

**Source: careeronestop.org, U.S. Department of Labor's Bureau of Labor Statistics 2021*

WANIC (Washington Network for Innovative Careers) is a regional skill center in Northeast King County. WANIC provides advanced level Career and Technical Education (CTE) programs based on rigorous academic and industry standards preparing students for career and college readiness. WANIC Skill Center programs are delivered through a system of branch campuses in seven participating districts. The skill center programs provide dual credit opportunities (both high school and college credit) and/or lead to industry certifications.

Washington Network for Innovative Careers

WANIC Skill Center serves high school students from these School Districts:

Bellevue ◆ Issaquah ◆ Lake Washington
Mercer Island ◆ Northshore ◆ Riverview ◆ Snoqualmie Valley

WANIC Skill Center

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wanic.org

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