

UNDERGRADUATE CERTIFICATE

APPLICATIONS IN DATA SCIENCE

ADD A DATA SCIENCE CERTIFICATE TO ANY MAJOR IN AS FEW AS SIX COURSES

There is a data explosion throughout society and virtually every job requires using data in decision-making. A certificate in data science gives you an advantage in the job market and throughout your career.

WHY DATA SCIENCE?

- Employers are hiring people who can transform data into information.
- The data science certificate program offers training in both foundations and applications of data science for students in all colleges and majors.
- Professionals trained in data science have the training and curiosity to make discoveries and decisions in a world where data is constantly being produced, communicated and analyzed.
- This certificate is accessible to students at different quantitative skill levels.
- Part of Purdue's campus-wide data science ecosystem, the program is coordinated by the Integrative Data Science Initiative Curriculum Committee.

THE PROGRAM

- Data science involves the development or application of statistical, mathematical and algorithmic techniques or tools with an aim to extract knowledge from large-scale datasets and communicate findings.
- Students who earn this certificate will have a foundation in statistical, mathematical and computational techniques for the analysis of large-scale or complex datasets and will apply their skills to different domains.
- You will be able to interpret results from large-scale data analysis and communicate findings, and recognize and evaluate ethical and social implications of data science.
- This program is housed at the College of Science with all other Purdue Colleges offering credits.

REQUIREMENTS

- Requirements can be met with as few as six courses.
- You can choose your own path depending on your major and tailor the program to your specific interests. (A complete listing of all offerings in each category is available in the Purdue Catalog.)

Core Courses - 10 credits

- Foundation in Statistical Methods - Choose One (3 credits)
- Foundation in Computation - Choose One (3 credits)
- Foundation in Data Literacy, Management, and Analytics - Choose One (3 credits)
- Foundation in Data Ethics and Digital Citizenship - Choose One (1-4 credits)

Application Focus - 6 credits

- You will need to complete six (6) credit hours in courses concentrated on applications of data science related knowledge.

Talk to your academic advisor and register today!

FOR MORE INFORMATION, CONTACT
data.science.cert@purdue.edu



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