

QuantHub | Spring 2026 PD Registration

Updated 8.14.25

You will need to register for all courses you have completed in the platform to receive Professional Development credit.

You will only be eligible to recieve credit for work completed during the 2025-2026 school year. Unless stated otherwise, all QuantHub PD material is eligible for TEAMS credit for ALL TEAMS teachers!

These course registrations are offered through AMSTI. It is the responsibility of the teacher to register for courses completed in QuantHub and to verify correct reporting on the PowerSchool transcript.

TEAMS Contract Teachers: The usage of QuantHub hours under your TEAMS contract may vary by school. QuantHub's professional development services are provided via a state contract, and all courses are available asynchronously. This flexibility makes QuantHub an excellent choice for off-contract, state-approved professional development hours, provided your school authorizes the use of your credits in this manner.

To earn your credit, follow these steps:

1. Locate the level you would like to complete below.
2. Click the registration link on this form next to the level you plan to complete to register for the course.
3. Click the "Learn in QuantHub" link to go directly to the level in the QuantHub platform.

QuantHub will submit course rosters the last Friday of each month. AMSTI may take up to one month to report participation on your transcript.

For further assistance, email us at support@quanthub.com.



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Data Citizen Path

Data Literacy (4 hours - PS#: 539090) and Learn in QuantHub
Skills Required

- Becoming data literate
- Identifying data
- Exploring data quanity
- Exploring data types
- Data ethics

Visual Data Literacy (4 hours - PS#: 539107) and Learn in QuantHub
Skills Required

- Interpreting chart data encoding
- Identifying chart types
- Introduction to reading charts
- Interpreting chart scaffolding

Framing a Data Problem (3 hours - PS#: 539136) and Learn in QuantHub
Skills Required

- Designing a statistical study
- Discovering statistics
- Collecting data for statistical analysis
- The statistical investigative process

Data Analysis (5 hours - PS#: 539135) and Learn in QuantHub
Skills Required

- Exploring distributions
- Introduction to exploratory data analysis
- Exploring correlation
- Exploring central tendency
- Exploring dispersion
- Exploring association

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Exploring Data Tools (4 hours - PS#: 539134) and Learn in QuantHub
Skills Required

- Citizen's Guide to SQL
- AI Productivity tool landscape
- Working with spreadsheets
- Working with Python

Machine Learning Data Tools (4 hours - PS#: 539133) and Learn in QuantHub
Skills Required

- Planning a mahine learning project
- Training a machine learning model
- Teaching machines
- The machine learning process
- Sharing a machine learning model
- Preparing data for a machine learning project

Data Storytelling (4 hours - PS#: 539132) and Learn in QuantHub
Skills Required

- Uncovering a data story
- Presenting data stories
- Discovering data stories
- Designing visual narratives
- Building data storytelling narratives

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Data Security Path

Data Security (4 hours - PS#: 539087) and Learn in QuantHub
Skills Required

- Introduction to malware
- Introduction to password security
- Introduction to phishing
- Protecting your data
- Applying cyber security safe practices
- Applying cyber security to AI

AI Literacy Path (Sci/CS Only)

Introduction to AI (5 hours - PS#: 539081) and Learn in QuantHub
Skills Required

- Introduction to artificial intelligence
- AI Productivity tool landscape
- Introduction to prompt engineering
- Introduction to boosting productivity with AI
- A guide to entering an AI-enhanced workforce
- Ethical considerations for AI application users

AI Foundations Path (Sci/CS Only)

AI Foundations (2 hours - PS#: 539085) and Learn in QuantHub
Skills Required

- Understanding business challenges and AI applications
- Understanding AI systems' fundamental characteristics and mechnaisms
- Understanding the history and current state of AI
- Identifying generatibe AI use cases in professional workflows
- Explaining basic prompt engineering techniques for generative AI
- Understanding ethical and securiy considerations for AI users

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Excel for Business Analystics Path

Performance Analytics (4 hours - PS#: 539065) and Learn in QuantHub
Skills Required

- Organizing workspace components in Excel
- Formatting cells by data types and presentation requirements
- Calculating descriptive statistics with Excel functions
- Creating appropriate charts in Excel

Applying Excel Workplace Tools (4 hours - PS#: 539074) and Learn in QuantHub
Skills Required

- Applying Excel workspace efficiency tools
- Configuring absolute and relative cell references in Excel formulas
- Analyzing datasets using COUNT, COUNTA, and COUNTIF(S) functions
- Applying MEDIAN and PROB functions in Excel

Inventory Optimization (3 hours - PS#: 539070) and Learn in QuantHub
Skills Required

- Transforming raw data into structured and pivot tables
- Implementing advanced Excel functions for conditional data analysis
- Creating nested logical functions for automated decision-making in Excel

Applied Data Science Path (Math/Sci Only)

Conducting a survey and summarizing data (5 hours - PS#: 539127) and Learn in QuantHub
Skills Required

- Writing a problem statement
- Creating surveys
- Analyzing survey results
- Making recommendations
- Selecting charts

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Applying Probability (5 hours - PS#: 539126) and Learn in QuantHub

Skills Required

- Choose an analysis method
- Combine datasets
- Calculate probabilities
- Interpret probabilities
- Visually highlight a chart

Mean as Equal/Fair Share (5 hours - PS#: 539111) and Learn in QuantHub

Skills Required

- Define Data Requirements
- Assess Data Quality
- Analyze Center and Spread
- Evaluate Study Limitations
- Summarize Findings Visually

Inference about Association (5 hours - PS#: 539125) and Learn in QuantHub

Skills Required

- Craft a research question
- Use random sampling
- Calculate sample proportions
- Make a statement about association
- Craft a narrative

Measuring the strength of association (5 hours - PS#: 539129) and Learn in QuantHub

Skills Required

- Craft a research question for association
- Identify and handle outliers
- Analyze association
- Estimate the value of a quantitative variable
- Select charts to communicate association

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Comparing a Quantative Variable across Groups (5 hours -PS#: 550751) and Learn in QuantHub Skills Required

- Craft a research question to compare a quantitative variable across groups
- Explore metadata to understand secondary data
- Calculate quantiles and use box plots for analysis
- Draw conclusions about a quantitative distribution across groups
- Craft a big idea statement

Linear Regression (5 hours - PS#: 550731) and Learn in QuantHub Skills Required

- Define the machine learning task
- Design a data collection plan
- Evaluate a regression model
- Make a prediction
- Design a chart for uncertainty

Predicting a Categorical Variable (5 hours - PS#: 550754) and Learn in QuantHub Skills Required

- Define data requirements
- Clean your data
- Create classification rules
- Classify new examples
- Apply sequential highlighting

Time Series (5 hours -PS#: 550755) and Learn in QuantHub Skills Required

- Craft a temporal research question
- Aggregate data by a time variable
- Calculate and plot a moving average
- Identify a pattern of variability
- Build a time-series narrative

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A Cluster Analysis Example (5 hours - PS#: 50752) and Learn in QuantHub
Skills Required

- Craft a Problem Statement for Unsupervised Learning
- Convert categorical data
- Evaluate a clustering model
- Determine segment to prioritization
- Design with cross-highlighting