

Applied Analytics

Use databases, statistics, and data visualization tools to query, analyze, forecast, and share metrics for business, research, healthcare, and more. Learn to work as a data analyst using state-of-the-art tools.

units required for minor: 18	units required for specialization: 10	minor code: APAN	department: ITP
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Skills

- » SQL
- » NoSQL
- » data visualization
- » data reporting
- » data mining
- » business forecasting

Careers

- » Data Analyst
- » Market Researcher
- » Operations Researcher
- » Quality Engineer
- » Statistical Modeler

Policies

- » All minors at USC need **16 units** that only meet minor requirements and do not meet any other major, minor, or GE requirement.
- » All courses completed for your minor or specialization must be completed for a **letter grade**.
- » You must earn a **2.0 minimum** cumulative GPA in the courses completed for your minor or specialization.

Minor requirements

Core requirements (14 units):

- ITP-115** "Programming in Python" (2 units)
- ITP-249** "Introduction to Data Analytics" (4 units)
- ITP-449** "Applications of Machine Learning" (4 units) [prerequisites: ITP-115 and ITP-249]
- ITP-487** "Enterprise Data Analytics" (4 units) [prerequisite: ITP-249 or ITP-320]

Elective (4 units):

- DSO-424** "Business Forecasting" (4 units) [prerequisite: BUAD-310]
- DSO-428** "Essentials and Digital Frontiers of Big Data" (4 units)
- ITP-489** "In-Memory Data Modeling and Analytics" (4 units) [prerequisite: ITP-249 or ITP-320]

Specialization requirements

Core requirements (10 units):

- ITP-115** "Programming in Python" (2 units)
- ITP-249** "Introduction to Data Analytics" (4 units)
- ITP-449** "Applications of Machine Learning" (4 units) [prerequisites: ITP-115 and ITP-249]

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 itp.usc.edu

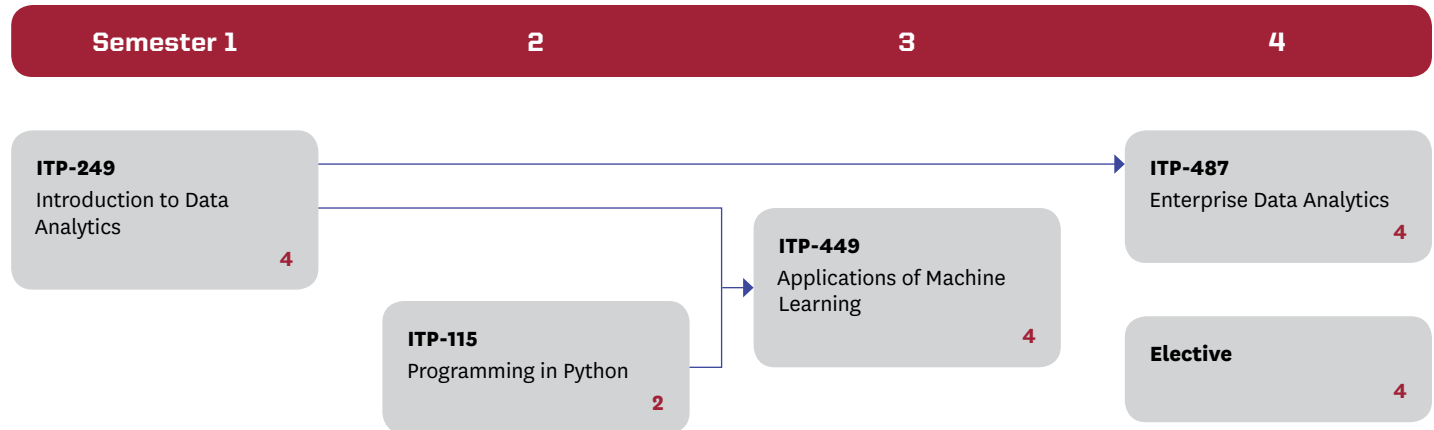
 [Schedule appointment](#)

Updated: 03/05/19

APPLIED ANALYTICS SEQUENCING & COURSE PLAN

LEGEND

-  Prerequisite
-  Prerequisite depends on course selection
- 1-4** Units or special notes



Make sure you consult with your major advisor about how best to incorporate the requirements for your minor with your major and general education requirements. **You must complete a pre-advisement course plan before scheduling an appointment with a minor advisor.**

PRE-ADVISEMENT COURSE PLAN

SEMESTER	YEAR	COURSE	UNITS