Develop technical knowledge and career skills through a case-based curriculum.

MACC alumni accepted offers in 26 cities after graduation (2014 to 2016).

The MACC fulfills current course requirements for the CPA exam.

New data and analytics track offered in partnership with KPMG.

“"You get to network with a lot of firms in the MACC program, whether it’s the Big Four, mid-tier, or private firms. You get that connection in the W. P. Carey School you might not be able to get in another program."

Zach Bellis, MACC 2016

wpcarey.asu.edu/macc-da

Graduate Programs
480-965-3332
wpcareymasters@asu.edu
Developed in partnership with KPMG, the 12-month Master of Accountancy — Data and Analytics program provides a solid foundation in the technologies and methodologies used to navigate today’s highly complex and data-centric audit and financial consulting environment.

Through case-based projects and team exercises, you will expand your functional expertise, learn how to articulate views and insights, simplify complex ideas and challenge business assumptions, build your strategic thinking and communication skills, and expand your knowledge of business operations and emerging technology.

### Accounting core courses

**Internal Controls Audit and Fraud Prevention & Detection**

Learn internal control frameworks and U.S. GAAS for financial statement audits and audits of internal controls. Define fraud: what it is and how it is committed, detected, and resolved.

**Professional Accounting Research**

Apply FASB and IASB regulatory guidance to solve complex financial reporting issues. Improve your analytical, critical thinking, and communication skills through cases, class participation, and presentations, and learn how to use FASB Codification and IFRS and how to write detailed and concise research memos.

**Advanced Auditing**

Build on undergraduate auditing concepts and master in-depth aspects of auditing, as well as emerging issues influencing the process and profession. Case studies will develop your critical thinking and analytical skills as they relate to auditing.

**Corporate Governance and Sustainability**

Build awareness and critical thinking skills around corporate governance structures, their strengths, weaknesses, and differing ethical norms. Through case studies and relevant articles, you will learn how environmental, social, and governance (ESG) metrics are changing traditional annual reports and the profession.

**Shareholder Value Creation and Financial Statement Analysis**

Analyze financial statements and performance using financial ratio analysis and basic valuation techniques. Learn how changing valuation assumptions influences value estimates and practice methods of communicating your findings.

### Data and analytics core courses

**Generating Audit Analytics Using Accounting Information Systems**

Examine the emerging roles of accounting analytics in business, auditing, and tax contexts. Learn to understand the data within major accounting information systems and generate meaningful audit and/or tax analytics from the data.

**Innovations with Auditing Technologies**

Investigate the role of technology-related innovations on audits and auditing performance. Learn to capture data from recent innovations in technologies for audit applications (e.g., IoT) and examine roles of these recent technology innovations for audit performance (e.g., cognitive computing).

**Statistics for Accounting Analytics**

Explore theories of probability and uncertainty through statistics — including descriptive, predictive, and prescriptive analyses — as well as regression and other models to support audit decisions and conclusions.

**Business Data Visualization**

Explore the design of insightful business data visualizations and dashboards to improve business decision-making. Learn to apply advanced data visualization techniques to make sense of large data sets including temporal, geospatial, topical, and business data, while also making it easier to digest, present, and utilize for business needs and users.

**Data Mining I**

Unlock the fundamental principles and techniques of data mining, and — through hands-on experience with SAS Enterprise Miner software — examine real-world examples and data to place data-mining techniques in context and develop data-analytic thinking.

### Companies that hire our graduates

- APS — Arizona Public Service
- Arizona Office of the Auditor General
- Bank of Oklahoma
- Banner Health
- Barnett Management
- BDO USA
- Butler Hansen PC
- Deloitte LLP
- Ernst & Young
- Heinfeld, Meech & Co. PC
- Honeywell Aerospace
- Huawei Technologies
- KPMG LLP
- Moss Adams
- Perkins & Co.
- PricewaterhouseCoopers
- Vavrinek, Trine, Day & Co. LLP
- Xingye Bank