Business Analytics, MS

BABUSANMS

With a W. P. Carey MS business analytics degree, you'll have the technical skills and experience to advance your career and become a leader in data and analytics.

Program Description

Degree Awarded: MS Business Analytics
Delivered by the highly ranked W. P. Carey departments of Information Systems and Supply Chain Management, the STEM-designated MS program in business analytics builds on the quantitative skills and knowledge needed to advance on the analytics career ladder.

Data is becoming vital to today's world, making business analytics specialists one of the most valuable careers. Students learn to extract value from data, lead data-driven projects and create an overall impact within business organizations.

Two pathways are available for the master's degree program. The first pathway is the nine-month full-time program, and it is designed for individuals who want to immerse themselves in full-time graduate studies. The second is the online delivery option in which students deepen their skills in business analytics and learn more about evolving topics in this field. This option is designed for busy working professionals seeking to continue working full-time while attending school.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner Building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

At a Glance
Concurrent Program Options

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following:

W. P. Carey MBA - Full-Time Program

Compare Programs

Degree Requirements

30 credit hours including the required applied project courses (SCM 593 and CIS 593)

Required Core (6 credit hours)
CIS 508 Data Mining I (3)
SCM 517 Data-Driven Quality Management (3)

Restricted Electives (18 credit hours)
CIS 505 Introduction to Enterprise Analytics (3)
CIS 509 Data Mining II (3)
CIS 515 Deep Learning Applications in Business (3)
CIS 560 IT Services and Project Management (3)
SCM 516 Descriptive and Predictive Supply Chain Analytics (3) or WPC 501 Statistics for Business (2.5)
SCM 518 Analytical Decision Modeling I (3) or SCM 515 Decision Models for Supply Chain Management (3)
SCM 519 Analytical Decision Modeling II (3)
SCM 587 Project Management (3)

Electives (3 credit hours)

Culminating Experience (3 credit hours)
CIS 593 Applied Project (1.5)
SCM 593 Applied Project (1.5)

Additional Curricular Information
Students choose courses totaling at least 18 credit hours from the restricted electives list. If approved by the academic unit, other courses may be used.
Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. GMAT or GRE test scores
4. one letter of recommendation
5. current resume
6. short-answer question responses
7. proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department website.

Attend Online

ASU Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here.

Application Deadlines

Fall expand

Spring expand
Career Opportunities

Graduates have the essential academic preparation required for roles that derive value from data and modeling, lead data-driven analyses and that create critical business advantages.


Career examples include:

- business intelligence analyst
- computer database architect
- data analyst
- IT project manager

Contact Information

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Admission Deadlines