Business Data Analytics, BS

Program Description

The BS program in business data analytics prepares business students with the requisite knowledge, skills and experience to create and manage big data initiatives as well as associated business processes to facilitate large-scale business data analytics in organizations. Students learn organizational and technical competencies, to implement data gathering, cleansing, integration and modeling tasks as well as data asset analysis for business applications. The program covers data warehousing, dimensional modeling, big data analytics methods and visualization tools and techniques, and it introduces topics such as data mining and predictive analytics.

At a Glance

- **College/School:** W. P. Carey School of Business
- **Location:** Tempe campus or online

- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 210 - Brief Calculus
- **Math Intensity:** Moderate

Required Courses (Major Map)

2018 - 2019 Major Map (On-campus)
2018 - 2019 Major Map (Online)
Major Map (Archives)

Accelerated Degrees
This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements**

**General University Admission Requirements:**

All students are required to meet general university admission requirements.

**Freshman | Transfer | International | Readmission**

**Additional Requirements:**

Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements**

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in exploratory social and behavioral sciences in the College of Integrative Sciences and Arts.
Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Change of Major Requirements**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: [https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors](https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey’s Advising SOS: [https://apps.wpcarey.asu.edu/apps/advising/index.cfm](https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

**Attend 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](https://www.asu.edu).  

**Transfer Options**

ASU is committed to helping you thrive by offering tools that allow you to personalize your transfer path to ASU. Students may use the [Transfer Map search](https://www.asu.edu) to outline a list of recommended courses to take prior to transfer.  

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools, and resources and help students save time and money in their college journey. Learn more about these programs by visiting the [Admissions site](https://www.asu.edu).

**Global Opportunities**

**Global Experience**

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. [https://mystudyabroad.asu.edu/](https://mystudyabroad.asu.edu/)
The W.P. Carey School of Business recommends the following study abroad programs for students majoring in business data analytics: http://links.asu.edu/SAO.bus-data-analytics.

**Career Opportunities**

The demand for employees with business analytics skills is strong, with close to 89 percent of employers indicating that their needs for new recruits skilled in business data analytics will increase in the future [source: Occupational Information Network (O*NET)]. Students can become data analysts, data architects, data visualization developers, data change agents and data operators. Many graduates serve as architects, change agents and analytics tool suite operators for business and government.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Intelligence Analyst</td>
<td>9.3%</td>
<td>$88,510</td>
</tr>
<tr>
<td>Clinical Data Manager</td>
<td>33.8%</td>
<td>$84,060</td>
</tr>
<tr>
<td>Computer Database Architect</td>
<td>9.3%</td>
<td>$88,510</td>
</tr>
<tr>
<td>Computer Network Administrator</td>
<td>6.1%</td>
<td>$81,100</td>
</tr>
<tr>
<td>Computer Network Analyst</td>
<td>6.5%</td>
<td>$104,650</td>
</tr>
<tr>
<td>Computer Network Technician</td>
<td>8.3%</td>
<td>$62,340</td>
</tr>
<tr>
<td>Computer Programmer</td>
<td></td>
<td>$82,240</td>
</tr>
<tr>
<td>Computer Science Professor</td>
<td>8.1%</td>
<td>$78,630</td>
</tr>
<tr>
<td>Computer Scientist</td>
<td>19.2%</td>
<td>$114,520</td>
</tr>
<tr>
<td>Computer Systems Analyst</td>
<td>9.1%</td>
<td>$88,270</td>
</tr>
<tr>
<td>Criminal Investigator</td>
<td>4.5%</td>
<td>$79,970</td>
</tr>
<tr>
<td>Data Management Specialist</td>
<td>9.3%</td>
<td>$88,510</td>
</tr>
<tr>
<td>Database Administrator (DBA)</td>
<td>11.5%</td>
<td>$87,020</td>
</tr>
<tr>
<td>Information Security Analyst</td>
<td>28.5%</td>
<td>$95,510</td>
</tr>
<tr>
<td>Information Technology Manager (IT Manager)</td>
<td>12.0%</td>
<td>$139,220</td>
</tr>
<tr>
<td>Intelligence Officer</td>
<td>4.5%</td>
<td>$79,970</td>
</tr>
</tbody>
</table>
* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

🌞 Bright Outlook  🌿 Green Occupation

**Contact Information**

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