CALIFORNIA STATE UNIVERSITY
FULLERTON
COLLEGE OF
BUSINESS AND ECONOMICS

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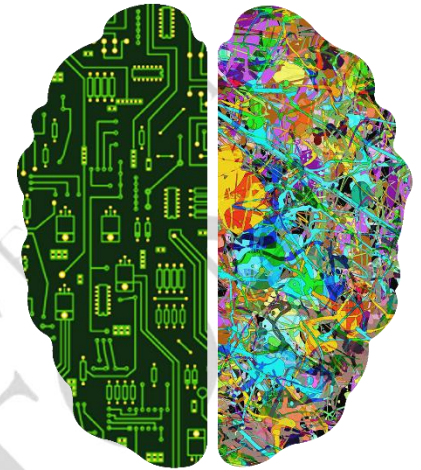business.fullerton.edu/career-services | businesscareers@fullerton.edu

ISDS – Decision Science

Decision science is the integration of business, mathematics, technology, behavioral sciences, and design thinking to facilitate better decision-making. A decision scientist interprets data to find optimal solutions and help businesses make unbiased, data-driven decisions.

The purpose of decision science is to remedy potential issues within an organization through risk assessments as well as promote longevity of the company through studies, economic analysis, strategic planning, and decision-making. An individual finds successes in decision sciences if they are observant, think critically, and enjoy solving problems through math, technology, and assessment. Career options can vary greatly as there are opportunities across multiple business functions in all industries.

Source: Analytics Magazine

Average Salary & Trajectory*

Entry-Level	Mid-Level	Senior-Level
$89,000 annually	**$110,000** annually	**$155,000** annually
• Business Analyst • Network Administrator • Project Manager • Decision Support Specialist • Operations Research Analyst • IT Quality Assurance Specialist • HR Data Analyst	• Lead Decision Science Analyst • Sr. HRIS Analyst • Data Modeling Analyst • Sr. Business Systems Analyst • Decision Support Manager	• Business Intelligence Manager • Information Technology Director • Management Information Systems Director • Dr. Data Scientist

Learn More With O*Net

Visit O*Net OnLine to explore the sample roles in decision science. The database provides career exploration tools to the public at no cost and is continually updated by surveying a broad range of workers from each occupation. Learn about the knowledge, skills, tasks, and activities required for each occupation, as well as median wages and employment trends reported by the Bureau of Labor Statistics and other federal agencies.

01 Visit O*Net OnLine at **www.onetonline.org**

02 Refer to the sample job titles listed in the "O*Net Keywords" section below

03 Enter phrase into O*Net's "Occupation Search" to explore sample roles

O*Net Keywords:

- Operations Research
- Strategic Business
- Decision Support
- Business System

Roles:

- Decision Science Analyst
- Business Systems Analyst
- Business Community Planner
- Chief Information Officer

*Note: Salaries are highly dependent on location, company type, and candidate experience/education. For the purposes of this guide we are providing average starting salaries as determined by the National Association of Colleges and Employers (NACE), overall average salaries as determined by the U.S Bureau of Labor Statistics (BLS), as well as supplemental information found from various industry-specific sources.

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Skills/Experience Suggested:

- Ability to conduct systems analysis
- Knowledge of data analysis and optimization software
- Understanding of simulation and forecasting software
- Ability to use deductive and inductive reasoning skills to solve complex problems
- Ability to analyze and interpret data
- Proficient in Excel and Access

Advanced Degrees:

- Master of Business Administration in Decision Science
- Master of Science in Information Technology
- Master of Science in Information Systems and Decision Sciences
- PhD in Decision Science

Professional Certifications:

- SAP Certified Development Associate
- Certification of Competency in Business Analysis
- Accredited in Business Valuation
- Associate Business Continuity Professional
- Certified Business Analysis Profession
- Decision Sciences Certificate

Professional Associations:

- Decision Sciences Institute
- The Society for Judgment and Decision Making
- The Decision Analysis Society

Campus Resources:

- Business and Data Analytics Club (BDAC)

Industry Research & Tools:

- What Can I Do With This Major?
- Analytics-magazine.org/archives/
- Dice.com
- Informs.org
- Fullerton.firsthand.co – Login with your CSUF email

Job & Internship Search Sites:

- Fullerton.joinhandshake.com
- DataJobs.com
- Dice.com
- ICrunchData.com
- Indeed.com
- LinkedIn.com

Employers Hiring CSUF Business Graduates:

Updated:
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