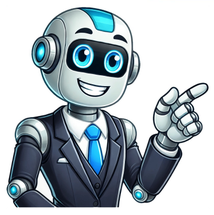
I'm not a robot



Usc masters data science

We've got a top-notch Master's in Applied Data Science program that's perfect for anyone looking to become a data science rockstar. Our program is designed to give students the skills they need to tackle real-world challenges, and it's accessible to everyone - even if you don't have a programming or computer science background. We've got joint programs with other schools at USC, so you can get the best of both worlds. Our courses are carefully designed to help you learn computational thinking and programming, and then you can move on to more advanced topics like machine learning and user experience design. You'll also get hands-on experience working in teams, doing projects, and participating in internships - it's a great way to gain real-world experience. Our faculty are industry experts who work on big data science projects and contribute to open source software projects, so you'll be learning from the best. And with our strong connections to top tech companies like Apple and Google, you can expect to land a job as a leader of data science teams in some of the coolest industries out there - tech, entertainment, health, and policy. Our alumni network is like a who's who of Silicon Beach, with people working at places like Netflix and Warner Bros Entertainment. So why wait? Check out our eligibility criteria and get ready to apply! Given article text here Materials needed for online application: Transcripts Resume/CV Personal statement Letter of recommendation (if required) Note: GRE scores are not necessary for applications submitted by 2025 For graduate engineering students, tuition and fees information can be accessed through this link Tuition overview The cost of attendance varies depending on the student's circumstances Estimated cost for a 32-unit program Tell us about yourself: I studied at Indian Institute of Technology before joining Microsoft India. However, after two years there, I realized my need to focus on a specific domain and pursued a Master's degree in data science from USC's MSCS program Outside the classroom, research was my primary interest I worked with Prof Sukhatme on robotic path learning problems and also guided new students through the Graduate Mentorship program Tell us about exciting incidents: Initially, I was focused on pursuing PhD but after gaining experience from internships, I decided to look for a job. I received offers from USC, Carnegie Mellon University, and Nvidia but chose Nvidia. Mounica Naidu Manyam Grew up in Bengaluru Received her bachelor's degree in computer science and engineering Worked as a software engineer at Philips healthcare division before joining Viterbi Mounica's experience at USC was marked by her helpful and friendly nature, attracting around 15 classmates from her undergraduate university to join her on campus. In total, she estimated about 40 students from her school ended up attending USC. During her time at the university, Mounica pursued a degree in computer science with a specialization in Data Science. After settling in, she explored Santa Monica and downtown LA at night, indulging in famous taco trucks as a self-proclaimed foodie. Her academic endeavors caught the attention of AI expert Yolanda Gil, who recruited her for a project analyzing LA's traffic data. The project leveraged USC's professional schools, converting vehicle traffic data into a usable format for student journalists to analyze. Additionally, Mounica secured a job at the school's Marketing and Communications department, where she built out the website. This summer, she'll be interning at Amazon in their advertising division, Silicon Valley. She knows this requires relocation but also anticipates being part of a community with many USC student interns and alumni working for the same company. The Master of Science in Applied Data Science at USC Viterbi is designed to train students as data scientists, providing them with a combination of data management and analytics skills to solve real-world challenges. The program offers various courses, including Information Retrieval and Web Search Engines, Machine Learning, Probabilistic Reasoning, and Data Mining, allowing students to pursue their interests within data science. To be eligible for the program, applicants must have a bachelor's degree from an accredited institution in any engineering or engineering-related discipline, or a relevant major such as Statistics, Mathematics, Computer Science, or Information Systems. They will need to submit the USC Graduate Admission Application, along with required documents including transcripts, resume/CV, personal statement, letters of recommendation, and English proficiency test results (for international students). The program is designed to accommodate students from various backgrounds, providing both introductory courses for those without a strong computer science background and advanced data science courses for those with a computer science background. Students will learn how to use big-data infrastructures such as Hadoop and Spark, analytical tools like machine learning, data mining, and data visualization, and apply these tools to real-world problems. A total of 32 units is required for the program, which includes core courses and additional electives that students can choose from. The most up-to-date information about the program is available in the USC Catalogue, while course descriptions can be found on the USC Viterbi website. The Master of Science in Applied Data Science at USC Viterbi is a program designed to equip students with diverse backgrounds in computer science, engineering, or social sciences with the necessary skills to become proficient data scientists. The curriculum allows strong students to transition into applied data science careers by providing training in various aspects, including: - **Data Science Techniques**: Students gain a solid understanding of key concepts and methods within data science. - **Programming Skills**: They learn to write effective data science programs using Python. - **Databases and Big Data**: Students are trained in working with databases and big data infrastructure. - **Machine Learning and Data Mining**: The program covers the application of machine learning and data mining techniques to real-world problems. The program structure involves: - **Core Courses (4 units)**: DSCI 552 Machine Learning for Data Science and DSCI 553 Foundations and Applications of Data Mining. - **Electives (20 units)**: Students choose five courses from a variety of topics including applied natural language processing, computer networking, foundations of artificial intelligence, deep learning, web technologies, information retrieval, database systems, geospatial information management, security and privacy, fairness in AI, computational thinking, data science at scale, information visualization, interaction design, user experience design, building knowledge graphs, and data science professional practicum. - **Directed Research**: Students have the opportunity to engage in directed research projects which can contribute to their academic development. - **Thesis Courses and Internship Courses**: These are not eligible for elective credit but serve as additional paths for students to engage with the program more deeply. The program is structured to allow for completion within 4 semesters (2 academic years) assuming a pace of taking two courses per semester. It emphasizes practical skills, real-world application, and immersion in data analytics and informatics, making graduates proficient in data science roles upon completion. The Analysis Program features hands-on experiences in data management, visualization, mining, and artificial intelligence techniques like machine learning. Students gain practical skills through an extensive elective track and professional practicum. The program aims for students to "live with the data." International students can extend their OPT due to STEM eligibility. To be eligible, one needs a Bachelor's degree from an accredited institution in engineering or related fields like Statistics, Mathematics, Computer Science, and Physics. Applications are reviewed holistically; courses alone do not guarantee admission. Required materials for application include transcripts, resume, personal statement, and letters of recommendation. The GRE is waived for 2025 applications. Tuition and fees vary by semester but remain the same for both on-campus and DEN@Viterbi students. Applicants should share their experiences and achievements in pursuing this graduate program at USC. For example, they might discuss interdisciplinary coursework or participating in events like AthenaHacks. Relevant personal achievements could include publications in academic journals or involvement in organizations like Women in Computing. As an example of a rewritten text based on the original: Original: "how data management, data visualization, data mining, and artificial intelligence techniques (specifically machine learning) are critical to the analysis process" Rewritten: "data analytics techniques such as AI, visualization, and mining play a vital role in analysis" As a Fulbright Scholar at USC, I was initially drawn to Viterbi's renowned engineering program and the excitement of attending a top-ranked university in Los Angeles. However, it wasn't until I received my offer that I truly felt like part of a movie set. The "Trojan" camaraderie is a unique aspect of life here, as wearing Trojan gear grants me access to a community that extends far beyond USC's borders. For instance, while cycling in Santa Monica, I was greeted with the signature two-fingered salute by fellow students from across the country. This experience has become a cherished moment in my time at USC. One of the most significant challenges I've faced is adjusting to life abroad, away from family and friends. However, living here has been instrumental in helping me grow both personally and academically. Here's a rewritten version of the text: A diverse range of companies and organizations have recently hired or interned employees, including Adobe Inc., ADP, Amazon, AMD, Ameriprise Financial, Amphenol, Apollo Auto Inc., Ares Operations LLC, Ark Biotech, Bank of China, New York Branch, Blue Systems, B-TRNSFRMD Consulting LLC, Capital One, Centene Management Company LLC, Children's Hospital Los Angeles, CVS Health, Deloitte, Dish Network, E. & J. Gallo Winery, Earnest, eBay, Electric Power Research Institute, Eli Lilly and Company, Equinor, Esri, EXL Services, Galileo Financial Technologies, Genpact, House of Hits, InnoSource and Nationwide, Intel Corporation, Intellipro Group Inc., KIPP DC, Lightsource Consulting, Morgan Stanley, Mother Tongue Media LLC, Nationwide, Nitto BioPharma Inc., Petrochina, PingCAP (US), Inc., Pitney Bowes, Precision Drilling, Renesas Electronics America Inc., Roblox, Sabre Corporation, SSi People, Stellantis, Strategy Asset Managers LLC, Symetra Life Insurance Company, TAPBLAZE, Tata Consultancy Services Limited, TikTok Inc., and University of Southern California. The University of Southern California's (USC) Viterbi School of Engineering offers a Master of Science in Computer Science (Data Science) program, which provides students with a comprehensive background in computer science and specialized expertise in data management. The program is available both on-campus and online through the DEN@Viterbi platform, offering a fully equivalent academic experience to its on-campus counterpart. The curriculum for the program consists of core courses and electives. Students are required to complete 32 units, including 12 units of core courses and 20 units of electives. Core courses include: * DSCI 551: Foundations of Data Management (4 units) * DSCI 552: Machine Learning for Data Science (4 units) * DSCI 553: Foundations and Applications of Data Mining (4 units) Elective courses are divided into two groups, with students required to take a minimum of one course from each group. Group 1 focuses on data systems, while Group 2 covers artificial intelligence and machine learning. Students with limited or no training in computer science should take specific prerequisite courses before advancing to other classes. The program also offers additional resources for students looking for more information. The DEN@Viterbi platform provides a flexible option for students who cannot attend classes on-campus. It allows professional engineers to pursue the degree online and earn the same USC engineering degree as their on-campus counterparts. Students interested in beginning classes as a DEN@Viterbi student next semester should explore the requirements and steps to enrolling as a Limited Status Student. Data Analysis: CSCI 567 Machine Learning (4), CSCI 573 Probabilistic Reasoning (3), CSCI 686 Advanced Big Data Analytics (4); DSCI 553 Foundations and Applications of Data Mining (4), ISE 520 Optimization: Theory and Algorithms (3), MATH 467 Theory and Computational Methods for Optimization (4), MATH 574 Applied Matrix Analysis (3). Additional Electives: 500 or 600 level CSCI courses, including group electives or special topics; DSCI courses like Machine Learning for Data Science, Research and Methods and Analysis for User Studies, Informatin Visualization, Building Knowledge Graphs. Also, Computer SCience Research Colloquium, Numerical Methods, Numerical Analysis and Computation, Applied Probability, Optimization Theory and Techniques, Seminar in Statistical Consulting. Note: Maximum 4 units at the 400-level, maximum 2 units of CSCI 590 Directed Research, and maximum 3 DSCI courses. Thesis and internship courses not eligible for elective credit.