





Data Science // MAJOR MAP

Bachelor of Science



Southwest Baptist
UNIVERSITY

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	CAREER POSSIBILITIES
 ACADEMICALLY	<p>Investigate introductory courses like CIS 1033 Foundations of Computer Science, Computer Science I & II, MAT 1195 Calculus I, and MAT 1173 Discrete Mathematics.</p> <p>Explore double major opportunities. Only 5 additional courses needed to achieve a mathematics double major.</p> <p>Familiarize yourself with your department by getting to know the professors and students.</p>	<p>Explore career goals with your advisor and consider a double major, adding a minor, or even an early entrance into the MBA program during your senior year.</p> <p>Begin researching and applying for relevant internships. During this year, discover more about business by engaging in courses that make up the CIS Core.</p>	<p>Consider what internships are available. Continue engaging in the CIS Core classes like CIS 3433 AI and Machine Learning and CIS 2213 System Analysis and Design.</p> <p>Strive to be in the top 20% of your class for entrance into Delta Mu Delta Honor Society.</p>	<p>CIS 4462 Applied Software Engineering I and CIS 4472 Applied Software Engineering II, along with CIS 3513 Data Visualization will bring your CIS academic experiences together and prepare you for your desired career path upon graduation.</p>	<p>Data Analyst</p> <p>Database Administrator</p> <p>Risk Management Analyst</p> <p>Computer Systems Analyst</p> <p>Market Research Analyst</p> <p>Database Administrator</p> <p>Machine Learning Scientist</p> <p>Information Security Analyst</p> <p>Data Architect</p> <p>Data Scientist</p> <p>Statistician</p> <p>Business Intelligence Developer</p>
 SERVANT LEADERSHIP	<p>Participate in student organizations and professional associations like Association for Computing Machinery (ACM), Sentrepact, and Phi Beta Lambda (PBL).</p> <p>Each year, engage in Cyberhealth Day where you will perform security checks and remove viruses from community members' computers.</p>	<p>Take more responsibility in your extra-curricular activities. Engage in your student organization and consider a leadership role within ACM, Sentrepact, or PBL.</p> <p>Apply to be a cybersecurity mentor for CIS Department.</p>	<p>Demonstrate servant-leadership by making new members feel welcome and pursuing project leader/officer positions in your organization.</p>	<p>Spread the word about what clubs/organizations/events you have enjoyed and help others to get connected on-campus.</p>	
 OUR GLOBAL SOCIETY	<p>Visit SBU's Center for Global Connections to learn about global service opportunities.</p> <p>Participate in service opportunities with ACM, Sentrepact, and PBL throughout the year.</p>	<p>Compete and travel with ACM, Sentrepact, or PBL.</p> <p>Are you interested in studying abroad? Ask your advisor or Career Services about study abroad opportunities.</p>	<p>Compete and travel with ACM, Sentrepact, or PBL.</p> <p>Consider taking an international trip with the SBU MBA program.</p>	<p>Assess what opportunities, locally and globally, are available upon graduation.</p>	
 YOUR FUTURE	<p>Discuss your career interests with an advisor and identify your goals.</p> <p>Apply for CPP scholarships.</p>	<p>Attend the CPP career fair held each semester.</p> <p>Pursue internship opportunities by networking at career fairs held on campus.</p>	<p>Explore graduate schools if you desire to continue your education. Consider the option of continued education at SBU through the MBA program.</p>	<p>Identify and ask individuals if they will write you letters of reference/recommendation.</p> <p>Finalize your résumé and cover letter.</p>	