

Major Fact Sheet

Information Science

Data Science & Analytics Concentration

What will I be studying?

The Bachelor of Science in Information Science program is meant to prepare you for leadership careers in a wide array of environments and contexts related to the emerging knowledge economy. The program integrates critical skills in information technology with the solid theoretical and disciplinary foundations of Information Science.

Data Science and Analytics emphasizes deep knowledge discovery through data exploration, analysis, and inference.

Career Ideas!

Information Science Students focusing on Data Science and Analytics work in these types of careers:

- Data Scientist
- Data Analyst
- Business Analyst
- Advanced Analytics Professional
- Database Administrator

****Please note this is not a complete list of careers you can go into with this major.**



CIS 2011 – Main Office

BEH 201 - Advising



iseadvise@usf.edu



ise.usf.edu

Contact Us

Research

USF is a high-impact, global research university. Faculty in the School of Information have active research programs that involve collaborations with other USF units, centers, and institutes, as well as colleagues nationally and internationally. USF's iSchool has a strong record of funded research projects and other forms of significant scholarly productivity that contributes to the information field and related disciplines. A few areas of focus include:

DATA VISUALIZATION

DATA ANALYTICS

INTELLIGENCE AND SECURITY INFORMATICS

LIBRARY SCIENCE

Get Involved!

School of Information
BS in Information Science / Data Science and Analytics

Example Four Year Plan

Year 1		
Fall	Spring	Summer
ENC 1101 English Composition 1	ENC 1102 English Composition 2	XXX Civics Literacy
XXX SGEM Core Mathematics / MAC 1105	STA 2023 Introductory Statistics	XXX XXXX 1000+ Gen Elective
XXX TGEI Creative Thinking	XXX TGEI Information Literacy	
XXX SGEH Core Humanities	XXX SGEH Core Social Science	
Total Hours: 12	Total Hours: 12	Total Hours: 6
Year 2		
Fall	Spring	Summer
XXX SGEN Gen Ed Core Natural Science	MAC 1147 or MAD 2104 Discrete math Req.	XXX XXXX 3000+ Gen Elective
COP 2030 Programming Concepts	XXX XXXX 3000+ Gen Elective	XXX XXXX 3000+ Gen Elective
LIS 2780 Database Concepts	COP 2250 Object-Oriented Programming	
XXX TGED Human Diversity	XXX XXXX 1000+ Gen Elective	
Total Hours: 12	Total Hours: 12	Total Hours: 6
Year 3		
Fall	Spring	Summer
LIS 3261 Intro to Information Science	LIS 4414 Information Policy & Ethics / Ethical	XXX XXXX 3000+ Gen Elective
LIS 4800 Intro to Data Science	LIS 4317 Intro to Visual Analytics	
LIS 4273 Advanced Statistics and Analysis	LIS 4761 Intro to Data & Text Mining	
LIS 3353 IT Concepts for Info Professionals	LIS 4370 R Programming for Data Science	
XXX XXXX 1000+ Gen Elective		
Total Hours: 15	Total Hours: 12	Total Hours: 6
Year 4		
Fall	Spring	Total Credits to Graduation
ENC 3250 Professional Writing	LIS 4934 Senior Capstone for Information Pro	Major Requirements: 54 credit hours
LIS 4204 Information Behaviors	XXX XXXX Data Concentration Elective	
LIS 4805 Predictive Analytics	XXX XXXX 3000+ Gen Elective	General Education Requirements: 36 credit hours
XXX XXXX 3000+ Gen Elective	XXX XXXX 3000+ Gen Elective	
XXX XXXX 3000+ Gen Elective	XXX XXXX 1000+ Gen Elective	Other Degree Requirements: 30 credit hours
Total Hours: 15	Total Hours: 15	Total= 120

**May require completion of additional math pre-requisites (consider the [MPT](#) or [CPT](#) exams)