

BACHELOR OF SCIENCE IN INFORMATION COMMUNICATION & DATA VISUALIZATION

Communicating effectively in technical and specialized contexts is a multi-faceted and complex skill: it involves integrating deep knowledge of the structure of the English language and writing processes with technical skills in areas like statistics, data analysis, and design. This degree program is designed to teach fundamentals in these areas, and is an excellent supplemental degree to other degree programs in that it prepares graduates with the communication and human-centered analysis and design skills to succeed in their professions.

Graduates of this program will be able to

- Produce effective technical texts and documentation in professional and academic contexts
- Critically evaluate the role of technical and data-driven texts in society
- Draw upon theories and knowledge from statistics and design to communicate ideas clearly and effectively with data

Required Courses

Code	Title	Credit Hours
Foundations		(12)
Take each of the following courses		12
COM 424	Document Design	3
COM 421	Technical Communication	3
COM 428	Verbal and Visual Communication	3
COM 425	Editing	3
Communication and Media Studies Requirement		(6)
Select two courses from the following		6
COM 372	Mass Media and Society	3
COM 353	Media and Globalization	3
COM 382	Social Media and Society	3
HIST 373	History of Video Games	3
Statistics Requirement		(3)
Select 1 course from the following		3
PSYC 203	Undergraduate Statistics for the Behavioral Sciences	4
STAT 225	Introductory Statistics	3
MATH 425	Statistical Methods	3
MATH/CHE 426	Statistical Tools for Engineers	3
MATH 474	Probability and Statistics	3
MATH 475	Probability	3
or MATH 476	Statistics	
BUS 221	Business Statistics	3
Technical Electives		(6)
Select 2 courses from the following		6
COM 438	Technical Exhibit Design	3
HUM 372	Interactive Storytelling	3
COM 437	Video Documentation	3

ITMD 362	Human-Computer Interaction and Web Design	3
CS 442	Mobile Applications Development	3
FDSN 320	Food Law, Labels, and Health Claims	3
INTM 301	Communications for the Workplace	3
ITM 300	Communication in the Workplace	3
PSYC 312	Human Motivation and Emotion	3
PSYC 362	Human-Computer Interaction and Web Design	3
MAX 502	Analytics for Decision Making	3
MAX 507	Visual Analytics - Data Analytics & Visualization	3
Capstone or Thesis		(6)
COM 497	Special Project	6
STEM Module		(15)
Choose 2 credit hours of Computer Science		2
Choose 2-3 credit hours of Mathematics ¹		3
Choose 10-11 credit hours of Natural Science or Engineering		10
Introduction to the Profession		(2)
Any ITP Course		2
Interprofessional Projects (IPRO)		(6)
See Illinois Tech Core Curriculum, section E		6
Humanities and Social Science Requirements		(24)
COM 101	Writing in the University	3
or COM 111	Writing in the University for Multilingual Speakers of English	
HUM 200	Topics in Humanities	3
or HUM 202	Industrial Culture	
or HUM 204	Age of Darwin	
or HUM 206	Life Stories	
or HUM 208	Digital Culture	
or HUM 250	Introduction to Science, Technology, and Society	
Humanities (H) electives		6
Social Science (S) electives		9
(H) or (S) elective		3
Free Electives		(40)
Select 40 credit hours of free electives		40
Total Credit Hours		120

¹ Some of the Core-required Math credits are fulfilled by major requirements.

Bachelor of Science in Information Communication & Data Visualization Curriculum

			Year 1
Semester 1	Credit Hours	Semester 2	Credit Hours
Any ITP Course	2	HUM 200	3
COM 101	3	MATH 425	3
Free Elective	3	CS 115	2
Math Elective	3	Natural Science or Engineering (N) elective	3
Natural Science or Engineering (N) elective	4	Social Science (S) Elective	3
15			14
			Year 2
Semester 1	Credit Hours	Semester 2	Credit Hours
COM 421	3	COM 424	3
Natural Science or Engineering (N) elective	3	COM 425	3
Social Science (S) Elective	3	Social Science (S) Elective	3
Humanities (H) Elective	3	Humanities (H) Elective	3
Free Elective	3	Free Elective	3
15			15
			Year 3
Semester 1	Credit Hours	Semester 2	Credit Hours
COM 428	3	COM 382	3
COM 372	3	IPRO 397	3
Technical Elective	3	Technical Elective	3
Free Elective	3	Humanities (H) or Social Science (S) Elective	3
Free Elective	3	Free Elective	3
15			15
			Year 4
Semester 1	Credit Hours	Semester 2	Credit Hours
IPRO 497	3	COM 497	3
COM 497	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	4	Free Elective	3
16			15
Total Credit Hours: 120			