

MATHEMATICS AND COMPUTER SCIENCE MINORS

The department offers minors in Mathematics, Computer Science, Statistics and Data Science. Course selections are tailored to the student's needs in consultation with departmental advisors.

Clinical Applications

Code	Title	SCHs
NURS 3213	Business Analysis of Health-Generated Data	3
NURS 3223	Internet Resources for Health Promotion	3
NURS 4113	Applications and Devices for Health Promotion	3
NURS 4213	Interface Design in Health Informatics	3
NURS 4313	Telecommunications/Networking for Remote Management	3
NURS 4723	Applied Statistics in Healthcare Informatics	3
Total SCHs		18

Community Informatics

Code	Title	SCHs
CSCI 4623	Big Data and High Performance Computing	3
CSCI 4823	Principles of Data Mining	3
LS 3153	Knowledge Economy	3
Any Community Informatics related courses approved by advisor		9
Total SCHs		18

Computer Science

Students interested in a minor in Computer Science may choose from Computer Programming/Software Engineering, or Computer Applications or Information Systems. For more detailed information regarding this minor, please refer to the department web page. A departmental advisor must approve the minor program.

Data Science

The minor in Data Science, concerned with the extraction of knowledge from data, employs techniques and theories drawn from many fields within the broad areas of mathematics, statistics, computer science and information technology. The minor requires 18 hours of coursework including at least 6 upper level hours and must be approved by a department advisor.

Mathematics

Code	Title	SCHs
MATH 2014	Calculus I	4
Select 14 additional semester credit hours of mathematics courses, at least 6 of which must be advanced.		14
Total SCHs		18

A departmental advisor must approve the minor program.

Statistics

Code	Title	SCHs
MATH 2703	Data Collection	3
MATH 3583	Statistical Methods II	3
Choose 12 semester credit hours		12
MATH 1713	Elementary Statistics II	
MATH 3593	Statistical Methods III	
MATH 4013	Probability and Statistics	
MATH 4113	Computational Statistics	
MATH 4713	Nonparametric Statistics	
CSCI 3113	Fundamentals of SAS Programming	
Total SCHs		18