

SOCIOLOGY: CONCENTRATION IN ANALYSIS AND RESEARCH

REQUIREMENTS

The Concentration in Analysis and Research—an elective option within the undergraduate sociology major—is designed for students who do well and are interested in research methods and statistics. CAR prepares students for entry-level jobs in applied social research and/or for graduate study. Key features of the concentration include advanced statistics courses, training in social science computing, and research. By selecting appropriate electives and internships, students may focus their training on demography, survey research, marketing and communications, criminal justice, health care, education, social services, natural resources, organizations, or personnel and human resources.

REQUIREMENTS FOR THE CAR OPTION (CAR)

36 CREDITS OF SOC, TO INCLUDE:¹

All requirements for the general Sociology major

All students are required to take four foundation core courses (Introduction, Research, Statistics, and Theory) and additional CAR Distribution courses in Statistics, Research, Computing, and Practicum that build on prior sociological and social scientific knowledge from the foundation core courses.

Students are strongly encouraged to complete the four required foundation core courses as early as possible. These foundation courses are prerequisites for most upper-level courses and the option has several sequenced courses, some of which are taught only once a year.

REQUIREMENTS

36 credits in SOC courses to include Foundation (Core) requirements for the general Sociology major (above), plus these CAR-specific requirements:¹

CAR REQUIREMENTS

Code	Title	Credits
Two Additional Statistics courses are required		
SOC/C&E SOC 361 or ECON 410 or STAT 302	Statistics for Sociologists II Introductory Econometrics Accelerated Introduction to Statistical Methods	3
SOC 362 or STAT 312	Statistics for Sociologists III Introduction to Theory and Methods of Mathematical Statistics II	3
Data Management		
SOC/C&E SOC 365	Data Management for Social Science Research	3-4
Distribution - Two Research Electives from: ²		6

SOC 351	Introduction to Survey Methods for Social Research
SOC 375	Introduction to Mathematical Sociology
SOC 376	Mathematical Models of Social Systems
SOC 535	Talk and Social Interaction
SOC 575	Sociological Perspectives on the Life Course and Aging
SOC/AMER IND/ C&E SOC 578	Poverty and Place
SOC 633	Social Stratification
SOC 674	Demographic Techniques I
SOC/ C&E SOC 676	Applied Demography: Planning and Policy
COMP SCI 371	
MATH 415	Applied Dynamical Systems, Chaos and Modeling
MATH/ISY E/ OTM/STAT 632	Introduction to Stochastic Processes
POLI SCI 305	Elections and Voting Behavior
POLI SCI 515	Public Opinion
PSYCH 225	Research Methods
STAT 349	Introduction to Time Series
STAT 351	Introductory Nonparametric Statistics
STAT 411	An Introduction to Sample Survey Theory and Methods
STAT 421	Applied Categorical Data Analysis
STAT/B M I 642	Statistical Methods for Epidemiology
INFO SYS 371	Technology of Computer-Based Business Systems
MARKETNG 310	Marketing Research

Research Practicum

SOC/C&E SOC 693	Practicum in Analysis and Research	3
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Total Credits **18-19**

¹

Although students may choose courses outside of the SOC subject to meet some requirements of the CAR option, all 36 of the credits required for this major option must be in SOC courses.

In addition, students must complete the Residence & Quality of Work requirement which includes 15 credits of Upper Level work in the major, taken in Residence. Major courses outside of SOC do compute into the major GPA, but are not considered Upper Level for purposes of this requirement.

²

Unlike the general major, CAR option students are required to complete two (not four) courses in distribution, among the courses listed as Research Electives.

CAR OPTION QUALITY OF WORK

A minimum 3.000 GPA on all CAR-specific courses is required at the time of graduation.

FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
Communication A		3 SOC/C&E SOC 210 or 211 (SOC 211 also satisfies Communication B)	3-4
Quantitative Reasoning A		3 SOC/C&E SOC 357	4
Foreign Language (if required)		4 Biological Science Breadth	3
Ethnic Studies (may be taken in the major)		3 Intermediate MATH, COMP SCI or STAT (for B.S.)	3
Physical Science Breadth		3	
	16		14

Second Year

Fall	Credits	Spring	Credits
SOC/C&E SOC 360 (satisfies Quantitative Reasoning B)		4 SOC/C&E SOC 475	3
INTER-LS 210		1 SOC Distribution (upper level)	4
Humanities Breadth		3 Natural Science Breadth	3
Science Breadth		3 Literature Breadth	3
Elective		4 Elective	2
	15		15

Third Year

Fall	Credits	Spring	Credits
Declare the major		SOC Distribution (upper level)	4
Humanities Breadth		6 SOC/C&E SOC 365	3-4
SOC Distribution (upper level)		4 CAR Research Elective	4
Additional statistics for CAR option		3 Electives	3
Electives		2	
	15		15

Fourth Year

Fall	Credits	Spring	Credits
SOC Distribution (upper level)		3 SOC/C&E SOC 693	3
CAR option Research Elective		3 Electives	12
Electives		9	
	15		15

Total Credits 120