

CYBER POLICY AND ETHICS, B.S.

Department Website (https://sc.edu/study/colleges_schools/artsandsciences/walker_institute/area_studies/cyber_intelligence/)

The Bachelor of Science degree in Cyber Policy and Ethics is an interdisciplinary degree that emphasizes the interface between, on the one hand, the rapidly evolving technology of networked communication and computing systems and, on the other hand, the many government, social and economic actors who are increasingly dependent upon these new technologies. This degree addresses pressing questions about how we use and control cyber technologies, as well as their effect on concerns such as national security, commerce, privacy, democracy, culture and individuality.

Students entering as of Fall 2023 will complete requirements for the restructured Cyber Policy and Ethics degree instead of the Cyber Intelligence degree path. While similar, the new degree path builds on the foundation of the prior program requirements and offers greater flexibility.

The Cyber Policy and Ethics degree trains students in elements of computer and technological skills while offering a novel, human-centered focus on the interface of cyber technology and society. Coursework includes areas as diverse as psychology, national security and culture as well as flexible foreign language requirements and optional minors and cognates. Our degree promotes employable skillsets in inter-cultural literacy, professional communication, critical thinking, analysis and problem solving.

Learning Outcomes

1. Communicate cyber issues, policies and solutions in writing, orally and/or in digital formats.
2. Develop responses sensitive to cultural, organizational, and ethical issues.
3. Evaluate and solve problems found in the cyber world through the application of digital tools.
4. Analyze cyber challenges in a holistic and interdisciplinary manner.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another USC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a USC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular

Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 Hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-46
2. College Requirements	15-18
3. Program Requirements	20-37
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher.

- ENGL 101*
- ENGL 102*

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

Must be passed with a grade of C or higher.

- MATH 122* or MATH 141*
- MATH 142*, MATH 170* or MATH 172*

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI laboratory science courses (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

Must be passed with a grade of C or higher

- any CC-GSS Course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any CC-CMS Course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

VSR – Values, Ethics, and Social Responsibility (3 hours)

- any CC-VSR Course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

¹ Carolina Core Stand Alone or Overlay Eligible Requirements — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

Must be passed with a grade of C or higher

- STAT 201^{*1} or higher
- CSCE 102* or higher except CSCE 587*

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.

- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

Must be passed with a grade of C or higher

• Social Science (3 hours)

- The College of Arts and Sciences requires one 3-hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>).

• Fine Arts/Humanities (3 Hours)

- A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

Note: Students may not use courses in foreign language toward the Fine Arts or Humanities requirement, as those courses will count toward the Supporting Courses Foreign Language requirement.

¹ These courses require additional prerequisite not included in the program.

3. Program Requirements (20-37 hours)

Supporting Courses (9-24 hours)

Course	Title	Credits
Foreign Language ¹		0-15
ISCI 201 or ITEC 233	Data, Information & Society (*) Introduction to Computer Hardware and Software	3
PHIL 114	Introduction to Formal Logic I (*)	3
GEOG 105	The Digital Earth (*)	3
Total Credit Hours		9-24

¹ The Cyber Policy and Ethics program requires students to complete foreign language(s) beyond the 121-level required by the College of Arts and Sciences. Students may meet this requirement in two ways:

- One language completed through 6 hours at the 300 level, or
- Two languages distributed as follows:
 - Carolina Core GFL language continued through 6 hours at the 200 level, and a
 - Second language completed through the 122 level, which may require from 6 to 9 hours, depending on whether the language begins with 109 or 121.

Note: The number of hours that students must take to fulfill this requirement will depend upon their proficiency in the language, e.g. students who test into 300-level of a language would not need to take the 200-level prerequisites and would only need 6 hours to meet this requirement. Additionally, should students choose to add a foreign language minor or foreign language as a second major and successfully complete course requirements, then this will satisfy the foreign language

requirement for the Cyber Policy and Ethics major. This requirement may be satisfied through foreign language placement tests.

Cognate or Minor (0-18 hours) *Optional*

This major does not require a cognate or minor.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study.

Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin. Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (<https://academicbulletins.sc.edu/undergraduate/programs-az/>).

Electives (0-28 hours)

120 (or 128) degree applicable credits are required to complete any degree at USC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (36 hours)

Must be passed with a grade of C or higher.

No more than 9 credit hours at the 200-level may be taken for credit towards the major requirements.

Selection of major courses must include at least one Carolina Core Integrative course: CYBR 399, CYBR 498, CYBR 499, POLI 315, POLI 451, PSYC 430 or PSYC 440.

Major Courses (36 hours)

Course	Title	Credits
Cyber Tools and Digital Skills		
Select three of the following:		9
CSCE 587	Big Data Analytics	
GEOG 263	Geographic Information Systems	
GEOG 551	Remote Sensing of the Environment	
GEOG 556	WebGIS	
GEOG 563	Advanced Geographic Information Systems	
ISCI 330	Introduction to Computer Technology & Applications for Info Env	
ISCI 430	User-Centered Information Architecture	
ISCI 440	Competitive Intelligence	
ISCI 480	Emerging Topics in Information Science	
ITEC 293	Cybersecurity Operations	

ITEC 493	Information Technology Security for Managers	
STAT 516	Statistical Methods II	
STAT 587	Big Data Analytics	
Global Cyber Cultures		
CYBR 393	Special Topics in Global Cyber Cultures	3
Select one of the following:		3
AFAM 202	Introduction to African-American Studies	
AFAM 428A	African-American Literature I: to 1903	
AFAM 428B	African-American Literature II: 1903 – Present	
AFAM 438D	African Literature	
AFAM 498	Seminar in African-American Studies	
ANTH 211	Learning Across Cultures	
ANTH 234	Caribbean Cultures	
ANTH 237	Cultures of Islam	
ANTH 242	Chinese Popular Culture	
ANTH 301	Latin American Cultures	
ANTH 303	African-American Cultures	
CHIN 240	Chinese Culture, Tradition, and Modern Societies	
CYBR 393	Special Topics in Global Cyber Cultures	
ENGL 428A	African-American Literature I: to 1903	
ENGL 428B	African-American Literature II: 1903 – Present	
ENGL 438D	African Literature	
EURO 300	Introduction to European Studies	
GEOG 223	Geography of Latin America	
GEOG 225	Geography of Europe	
GEOG 226	Geography of the Middle East	
GEOG 228	Geography of Sub-Saharan Africa	
GEOG 311	Landscape and Cultural Geography	
HIST 335	The History of Modern Russia and the Soviet Union	
HIST 352	Africa since 1800	
HIST 354	Modern East Asia	
HIST 421	Modern Latin America	
HIST 461	American Thought since 1865	
LASP 301	Interdisciplinary Study of Latin America	
JAPA 340	Introduction to Japanese Culture and Literature	
PHIL 310	American Philosophy	
POLI 450	Constitutional Law I: Institutional Powers	
POLI 402	African American Political Thought	
POLI 437	International Relations of Latin America	
POLI 481	Politics and Governments of Europe	
POLI 483	Middle East Politics	
POLI 487	Politics and Governments of Africa	
POLI 488	Politics and Governments of Latin America	
RELG 220	Introduction to Buddhism	
RELG 230	Introduction to Judaism	
RELG 240	Introduction to Christianity	
RELG 250	Introduction to Islam	
RELG 343	Religions of the African Diaspora	
RELG 359	Islamic Theology and Philosophical Thought	

Governance and Policy

Select three of the following: 9

ANTH 353	Anthropology of Law and Conflict
ARMY 406	American Military Experience
CRJU 424	Criminal Justice Intelligence
CRJU 440	Homeland Security and Terrorism
CRJU 512	Information-Based Management in Criminal Justice
CRJU 582	Computer Applications in Criminal Justice
CYBR 391	Special Topics in Cyber Policy and Governance
GEOG 312	Geography and Global Geopolitics
GEOG 380	Global Geography of Human Rights
HIST 397	Evolution of Warfare II
HIST 468	American Military Experience
HIST 469	Constitutional History of the United States
HIST 470	Constitutional History of the United States
ISCI 315	Cyberethics and Information Policy
JOUR 304	Internet and Social Media Law
POLI 315	International Relations
POLI 342	National Security Policies of the United States
POLI 362	Politics and the Mass Media
POLI 373	Regulatory Policies
POLI 393	Race and Science Fiction
POLI 416	Revolution and Political Violence
POLI 417	Theories of War in International Relations
POLI 420	International Law
POLI 421	Law and Contemporary International Problems
POLI 431	Science, Technology, and Public Policy
POLI 442	Globalization and Security
POLI 450	Constitutional Law I: Institutional Powers
POLI 451	Constitutional Law II: Civil Liberties
POLI 554	Law and Society
PSYC 360	Applied Psychology
SOCY 340	Introduction to Social Problems
SOCY 353	Sociology of Crime
WGST 352	Gender and Politics

Society and Ethics

Select three of the following: 9

AFAM 476	Black Activism
ANTH 371	Ethnography of Communication
ANTH 359	Theories of Culture
CYBR 392	Special Topics in Cyber Society and Ethics
ENGL 393	Postcolonialism
ENGL 436	Science Fiction Literature
ENGL 437	Women Writers
FAMS 240	Film and Media Analysis
FAMS 300	Film and Media History
FAMS 308	Global Media Industries
GLST 308	Global Media Industries
HIST 314	Video Games and History
HIST 370	History of Capitalism 2: From the Industrial Revolution to the Global Economy
HIST 453	Technology and American Society
HIST 476	Digital History

HIST 478	Material Culture in the Digital Age
ISCI 201	Data, Information & Society
ISCI 415	Social Issues in Information and Communications Technologies
JOUR 285	Social Media and Society
JOUR 303	Law and Ethics of Mass Communications
JOUR 345	Gender, Sexuality, and Sports Media
NAVY 402	Naval Leadership and Ethics
PHIL 320	Ethics
PHIL 323	Ethics of Science and Technology
PHIL 330	Social and Political Philosophy
POLI 300	Social and Political Philosophy
POLI 406	The State of American Politics
POLI 454	Women and the Law
POLI 465	Psychology and Politics
PSYC 430	Survey of Social Psychology
PSYC 440	Survey of Personality
RELG 205	Morality, Ethics, and Religion
RELG 336	Social Justice & Religion
SOCY 307	Sociology of Religion
SOCY 309	An Introduction to Social Inequality
SOCY 355	Race and Ethnic Relations
SOCY 368	Society through Visual Media
SOCY 393	Sociological Theory
SOCY 500	Social Networks
WGST 298	Issues in Women's and Gender Studies
WGST 334	Feminist Philosophy
WGST 432	Men and Masculinities
WGST 454	Women and the Law

Challenges and Development

Select one of the following: 3

CYBR 390	Special Topics in Cyber Intelligence
CYBR 498	Internship: Global Experience in Cyber Policy and Ethics
CYBR 499	Internship: Cyberintelligence

Total Credit Hours 36

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

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