

STATISTICS

The Department of Statistics at the University of Kentucky is concerned with three essential functions: teaching, research, and consulting in statistics.

The department does not offer an undergraduate degree, but students may elect to include statistics as part of a topical major or to minor in statistics. The program in mathematical sciences also includes several statistics courses. The Master of Science and the Doctor of Philosophy degree are offered.

Research is being actively pursued in statistical theory and methods, both parametric and non-parametric, linear models, inference, stochastic processes, applied probability, and biostatistics.

Consultation on statistical analysis and interpretation of data is provided to research workers on and off the campus. Particular attention is paid to the consulting needs of graduate students.

Minor in Statistics

The minor in statistics is aimed specifically at social and life science students, as well as students in the traditional mathematical sciences. A minimum of 16 hours of course work is required to complete the minor, as follows:

Complete one of the following:

STA 296 Statistical Methods and Motivations	
STA 321 Basic Statistical Theory I	
STA 525 Introductory Statistical Inference	3

Complete one of the following:

STA 281 Probability and Statistics Using Interactive Computer Techniques	
STA 320 Introductory Probability	
STA 524 Probability	3

plus

STA 570 Basic Statistical Analysis	4
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Complete one additional STA course approved by the Director of Undergraduate Studies 3-4

Complete one course from the student's area approved by the Director of Undergraduate Studies 3-4

Total Hours 16-18

US CULTURE AND BUSINESS PRACTICES

A US Culture and Business Practices degree will allow students to complete an interdisciplinary program of study that draws together rich training in the history, politics, arts, and culture of the United States with significant training in Business. Students will develop the breadth of knowledge indicative of a liberal arts education. Students will enhance critical thinking and writing skills, develop communication and other "soft skills," and hone problem-solving strategies.

This training will mesh with key aspects of a Business degree, including Management, Mar-

keting, Finance, and Economics. Students will thus attain the fundamentals of a Business degree within the broader scope of skills and methods of inquiry associated with the liberal arts. This degree will be beneficial for a wide range of students: students who plan to work in business, technological, cultural, community, and human-service settings; students who wish to combine the liberal arts with a more applied field; and students for whom a traditional intracollege major is too limiting. Students will be equipped with the flexible skills associated with a liberal arts degree, and who are also well-positioned to succeed in a twenty-first century entrepreneurial economy.

Bachelor of Arts with a major in US CULTURE AND BUSINESS PRACTICES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements

See the *UK Core* section of this Bulletin for the complete **UK Core requirements**. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core Hours 30

Graduation Composition and Communication Requirement (GCCR)

USB 495 Senior Capstone Seminar 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (<i>placement exam recommended</i>)	0-14
II. Disciplinary Requirements	
a. Natural Science	6
b. Social Science	6
c. Humanities	6
III. Laboratory or Field Work	1
IV. Electives	6

College Requirement hours: 25-39

Major Requirements

USB 201 US Culture and Business Studies	3
USB 495 Senior Capstone Seminar	3
ECO 201 Principles of Economics I	3
ECO 202 Principles of Economics II	3
MGT 292 Introduction to Entrepreneurship	3
FIN 250 Personal Investing and Financial Planning	3
MKT 300 Marketing Management	3
MGT 301 Business Management	3

Major Requirement Hours 24

Guided Electives

Students must choose 18 hours from the courses below. At least 3 credit hours must come from each of the three areas: National Formations (includes US in the World), American Communities & Identities, and Literary Arts.

National Formations (includes US in the World)

ANT 311 Anthropology of Globalization	3
ANT 312 Business, Culture and Society	3
ANT 330 North American Cultures	3
ENG 191 Literature and the Arts of Citizenship	3
ENG 251 Survey of American Literature I	3
ENG 252 Survey of American Literature II	3
GEO 220 U.S. Cities	3
GEO 320 Geography of the United States and Canada	3
GEO 422 Urban Geography	3
GEO 470G America's Cultural Geographies	3
GEO 490G American Landscapes	3
GWS 301 Crossroads (Subtitle required)	3
GWS 506 History of Sexuality in the U.S.	3
HIS 108 History of the United States Through 1876	3
HIS 109 History of the United States Since 1877	3
HIS 208 History of the Atlantic World	3
AAS 260/HIS 260 African American History to 1865	3
AAS 261/HIS 261 African American History 1865-Present	3
HIS 265 History of Women in America	3
HIS 461 The American Revolution, 1763-1789	3
HIS 467 Modern America: 1941-74	3
HIS 468 Contemporary America: 1974 to the Present	3
PS 101 American Government	3
PS 430G The Conduct of American Foreign Relations	3
PS 433G Politics of International Economic Relations	3
PS 463G Judicial Politics	3
PS 465G Constitutional Law	3
PS 472G Political Campaigns and Elections	3
PS 475G Politics and the Mass Media	3
PS 484G The American Presidency	3
AAS 400 Special Topics in African-American and Africana Studies (Subtitle required)	3
HIS 350 Topics in U.S. History Before 1789	3
HIS 351 Topics in U.S. History Since 1789	3
HIS 460 Colonial America to 1763	3
HIS 462 The New Republic, 1789-1820	3
HIS 463 Expansion and Conflict, 1820-1860	3
HIS 464 Civil War and Reconstruction, 1860 to 1877	3
HIS 465 Emergence of Modern America, 1877-1917	3

HIS 466 Modern American History from WWI to Pearl Harbor, 1917-1941	3
HIS 572 American Legal History	3
HIS 573 American Constitutional History	3
HIS 574 The Diplomacy and Foreign Policy of the United States to 1919	3
HIS 575 The Diplomacy and Foreign Policy of the United States Since 1919	3
HIS 576 Frontier America, 1400-1869	3
HIS 577 Frontier America, 1869-Present	3
HIS 584 Health and Disease in the U.S.	3
HIS 587 The Civil Rights Movement in the U.S. Since 1930	3
APP 300 Topics in Appalachian Studies (Subtitle required)	3
APP 399 Practicum	1-6
WRD 222 Current Events and Public Engagement: U.S. Citizens, Global Citizens	3

American Communities & Identities

AAS 200 Introduction to African-American Studies	3
AAS 420 African-American Religious Experience	3
ANT 341 Appalachian English	3
APP 200 Introduction to Appalachian Studies	3
AAS 168/ENG 168 All That Speak of Jazz: An Intellectual Inquiry Into Jazz and Democracy	3
ENG 425 Environmental Writing	3
GEO 221 Immigrant America: A Geographic Perspective	3
GEO 285 Introduction to Planning	3
GEO 321 Land, People, and Development in Appalachia	3
GEO 322 Geography of Kentucky	3
GEO 485G Urban Planning and Sustainability	3
GWS 360 LGBTQ History in the United States	3
AAS 360/HIS 360 Race and Sports in America	3
HIS 579 History of the New South	3
HIS 580 History of Appalachia	3
PS 456G Appalachian Politics	3
PS 461G Civil Liberties	3
PS 470G American Political Parties	3
PS 471/AAS 471 Race, Ethnicity and Politics	3
PS 479 Women and Politics	3
AAS 235/SOC 235 Inequalities in Society	3
SOC 446 Mass Incarceration	3
ANT 534/SOC 534 Sociology of Appalachia	3
HIS 360/AAS 360 Race and Sports in America	3
HIS 112 The Making of Modern Kentucky	3
HIS 240 History of Kentucky	3
HIS 404 U.S. Women's History to 1900	3
HIS 405 U.S. Women's History Since 1900	3
HIS 578 History of the Old South	3
APP 200 Introduction to Appalachian Studies	3
SPA 208 U.S. Latino Culture and Politics	3
SPA 302 Spanish for Business Professionals	3

Literary Arts

ENG 260 Introduction to Black Writers	3
ENG 265 Survey of African-American Literature I	3
ENG 266 Survey of African-American Literature II	3
ENG 352 American Literature and Cultures to 1900	3
ENG 353 American Literature and Cultures Post-1900	3
ENG 355 American Poetic Traditions	3
ENG 357 Contemporary American Literature	3
ENG 368 Contemporary African-American Voices	3
ENG 450G Studies in American Literature (Subtitle required)	3
ENG 460G Studies in African-American Literature (Subtitle required)	3
ENG 168/AAS 168 All That Speak of Jazz: An Intellectual Inquiry Into Jazz and Democracy	3
AAS 264 Introduction to Black Writers	3

Guided Elective Hours 18

Electives

Students must complete at least 6 hours of free electives to bring the total number of credit hours to 120. Free electives may not be counted toward UK Core or A&S requirements.

Elective Hours **minimum of 6**

**Total Minimum Hours
Required for Degree** **120**

WRITING, RHETORIC, AND DIGITAL STUDIES

The major in Writing, Rhetoric, and Digital Studies focuses on the humanistic study of writing and rhetoric in its various genres, contexts (social, historical, political), and media (print and digital, textual and visual). Students in the program study rhetoric and composition theory, practice writing in various forms (including professional and technical writing), and consider the emerging dynamics of digital composition.

The major prepares students to enter publishing, business, industry, or non-profit organizations. Students focusing on writing in digital environments may find employment with multimedia firms or web design organizations. For those interested in graduate work, the major prepares students to enter English education, rhetoric and composition, professional writing, and law.

The major in Writing, Rhetoric, and Digital Studies is grounded in the foundational idea that writing and rhetoric are important not only for professional success, but also for the development of an informed, engaged citizenry.

Bachelor of Arts with a major in WRITING, RHETORIC, AND DIGITAL STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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CIS/WRD 110 Composition and Communication I 3

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CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: **30**

Graduation Composition and Communication Requirement (GCCR)

WRD 430 Advanced Workshop
(Subtitle required)

**Graduation Composition and Communication
Requirement hours (GCCR)** **3**

College Requirements

College Requirements

I. Foreign Language	0-14
II. Disciplinary Requirements	
a. Natural Science	6
b. Social Science	6
c. Humanities	3
III. Laboratory or Field Work	3
IV. Electives	3

College Requirement hours: **21-35**

Major Requirements

Core Courses

WRD 300 Introduction to Writing, Rhetoric, and Digital Studies	3
WRD 430 Advanced Workshop (Subtitle required)	3

Core Courses hours: **6**

Other Course Work Required for the Major From the Major Department

Three hours of WRD courses at the 200-level or above	3
Twelve hours of WRD courses at the 300-level (excluding WRD 300)	12
Twelve hours of WRD courses at the 400-500 level (excluding WRD 430)	12

From Outside the Major Department

Choose 6 outside WRD at the 200+ level.

Total Major hours: **39**

Electives

Free Electives

Elective hours: **6**

**Total Minimum Hours
Required for Degree** **120**