

UNIVERSITY CORE REQUIREMENTS (44 Credits)	Credits
I. Communications (6 Credits)	
ENG 1301 English Composition I	3
ENG 1302 English Composition II	3
II. Mathematics (3-4 Credits) <i>Select one course</i>	
MTH 4300 Mathematical Statistics I	3
III. Mathematics Reasoning (3 Credits)	
MTH 1300 Statistics I	3
IV. Natural Sciences (8 Credits) <i>Select a two-course sequence</i>	
BIO 1401 Principles of Biology I	4
BIO 1402 Principles of Biology II	4
CHE 1401 Principles of Chemistry I	4
CHE 1402 Principles of Chemistry II	4
ENV 1401 Environmental Science I	4
ENV 1402 Environmental Science II	4
PHY 1401 Principles of Physics I	4
PHY 1402 Principles of Physics II	4
V. Humanities (3 Credits) <i>Select one course</i>	
See List of Humanities Courses	3
VI. Government (6 Credits)	
POL 1301 Introduction to American Government	3
POL 2315 Global Issues	3
VII. History (6 Credits) <i>Select two courses</i>	
ECO 1302 History of Economic Thought	3
ECO 1305 The Economic History of Africa	3
HIS 1305 Introduction to African & African-American History	3
HIS 2305 Survey of US History	3
VIII. Visual and Performing Arts (3 CR) <i>Select one course</i>	
ART 1302 History of Western Art	3
ART 1303 Art of Africa, Oceania and Americas	3
ART 2301 Contemporary African Art	3
ART 2305 Introduction to Theater	3
IX. Social Sciences (3 Credits) <i>Select one course</i>	
See List of Social Science Courses	3
X. Writing (3 Credits)	
COM 2301 Technical Communication	3
PROGRAM REQUIREMENTS (17 Credits)	
MTH 1402 Calculus II	4
MTH 1403 Calculus III	4

MTH 2302 Introduction to Linear Algebra	3
ECO 2301 Principles of Macroeconomics	3
ECO 2302 Principles of Microeconomics	3
MAJOR REQUIREMENTS (43 Credits)	
CSC 2300 Principles of Computer Science	3
DSC 2301 Principles of Data Science (R, Python, SQL)	3
MTH 3300 Differential Equations	3
ECO 3301 Intermediate Macroeconomics	3
ECO 3302 Intermediate Microeconomics	3
ECO 3310 Game Theory and Economic Behavior	3
MTH 4310 Mathematical Statistics II	3
ECO 4326 Economic Development of Africa	3
ECO 4345 Introductory Econometrics	3
BUS 3310 Business Analysis	3
ECO 4347 Research Methodology	3
CSC 4315 Introduction to Artificial intelligence	3
ECO 4398 Internship	3
ECO 4499 Capstone	4
SELECT ONE CONCENTRATION (12 Credits)	
<i>Econometric Data Science (select four courses)</i>	
CSC 4311 Data Mining	3
DSC 4301 Data Warehousing	3
DSC 4302 Data Analytics with R / Python	3
ECO 4340 Experimental Economics	3
ECO 4350 Econometrics Theory and Practices	3
<i>Financial Economics (select four courses)</i>	
FIN 3305 Corporate Finance	3
FIN 4301 Fundamentals of Valuation I	3
FIN 4302 Fundamentals of Valuation II	3
FIN 4307 Foundation in International Finance	3
ECO 3305 Financial Markets 1 the Macro Econ.	3
ECO 4320 Money and Banking	3
GENERAL ELECTIVES (6 Credits)	
TOTAL NUMBER OF CREDITS	122