

## BIC – Bachelor of Science in Informatics Degree Planner – Data Science Major

BIC courses are taken in sequence and are only offered in their respective sequence semesters.

<b>Fall – 16 hrs</b>	<b>Spring – 17 hrs</b>
BIC 1112: Examined Life	BIC 1324: World Cultures II
BIC 1314: World Cultures I	CSI 1402: Intro Programming II
BIC 1313: World of Rhetoric I	CSI 2350: Discrete Structures
CSI 1401: Intro Programing I	MTH 1322: Calculus II
STL 1102: First Year Seminar	Lab Science*
MTH 1321: Calculus I	
LF 11xx	
Chapel	Chapel
<b>Summer I</b>	<b>Summer II</b>
Language 1☯ (can also be fit in senior year)	Language 2☯ (can also be fit in senior year)
<b>Fall – 15 hrs</b>	<b>Spring – 16 hrs</b>
BIC 2334: World Cultures III (pre-req waiver)	BIC 2344: World Cultures IV (pre-req waiver)
CSI 2300: Intro Data Science	DSC 3335: Database
CSI 2334: Computer Systems	DSC 3334: Algorithms & Data Structures
MTH 2311: Linear Algebra	STA 3381: Statistics
Minor Course ◊	Lab Science*
<b>Summer I</b>	<b>Summer II</b>
<b>Fall 15 hrs</b>	<b>Spring - 15 hrs</b>
BIC 2330: Social World I (pre-req waiver)	BIC 2340: Social World II (pre-req waiver)
DSC 3310: Cloud Computing	DSC 4320: Visualization
DSC 3344: Analytics for Machine Learning	DSC 4310: Machine Learning
STA 4373: Comp Methods α	Minor Course ◊
Minor Course ◊	ECO 1305: Economics
<b>Summer I</b>	<b>Summer II</b>
<b>Fall – 15 hrs</b>	<b>Spring – 15 hrs</b>
DSC 43C8: Big Data	BIC 3358: Biblical Heritage and Ethics
CSI 4354: Comp. Security	DSC 43C9: DS Capstone II
PHI 1310: Computer Ethics	CSI 3374: Software Proj MNGT
Minor Course ◊	General Elective
Minor Course ◊	Minor Course ◊

☯ Second level proficiency (at least 1302 or 1412) must be achieved  
 α – Course only offered during indicated term

◊Minors in Mathematics or Computer Science will not apply

\*Science: Select 8 hours from the following courses: BIO 1305/1105, BIO 1306/1106, CHE 1301/1101, CHE 1302/1102, GEO 1405, GEO 1306/1106, PHY 1408, PHY 1409, PHY 1420 or PHY 1430.

Updated 5/2022