

# COMPUTER SCIENCE: DATA SCIENCE OPTION - AS (232D)

Division: Mathematics, Engineering Technologies and Computer Sciences (METCS) Division

Code	Title	Credits
<b>General Education Requirements (30 Credits)</b>		
<i>Written &amp; Oral Communication (6)</i>		
ENG 101	College Composition I	3
ENG 102	College Composition II	3
<i>Quantitative/Scientific Knowledge, Skills &amp; Reasoning (15)</i>		
MTH 101	Statistics and Probability I	4
MTH 121	Calc with Analytic Geom I	4
MTH 239	Introduction to Linear Algebra	3
PHY 103	General Physics I	4
<i>Society &amp; Human Behavior (3)</i>		
Select one of the following:		3
ANT 101, ANT 105, ECO 101, ECO 102, POL 104, PSY 101, PSY 102, PSY 219, SOC 101, SOC 108, SOC 219		
<i>Humanistic Perspective (3)</i>		
Select any English Literature course		3
or Select one of the following courses:		
ART 100, ART 101, ART 102, CIN 101, CIN 103, MUS 100, MUS 109, MUS 117		
<i>Historical Perspective (3)</i>		
Select any History (HST) course		3
<b>Major Requirements (30 Credits)</b>		
CSC 121	Computer Science I	3
CSC 122	Computer Science II	3
CSC 225	Data Structures	3
CSC 231	Database Design	4
MTH 122	Calc with Analytic Geom II	4
MTH 141	Mathematical Statistics	3
DSC 141	Data Science I - Fundamentals	2
DSC 241	Data Science II - Machine L	2
DSC 242		3
DSC 243	Data Visualization	3
<b>Total Credits</b>		<b>60</b>