

BA and BS Sample Schedules for DATA SCIENCE

Key:	PREREQUISITE	CORE	APPLICATION AREA *	CLUSTER	BS SUPPLEMENTAL
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Example BA in Data Science using MTH 161-162 series

FIRST YEAR		SOPHOMORE		JUNIOR		SENIOR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MTH 161	MTH 162	CSC 172	CSC 242	CSC 240	CSC 261	Application Area	DSC 383W
MTH 150	CSC 171	MTH 165	Application Area (W)	DSC 262	DSC 265		
Social Science Cluster	WRT 105	DSC 201	Social Science Cluster	WRT 273	Humanities Cluster	Humanities Cluster	Social Science Cluster
Application Area Pre-req*	Application Area	Humanities Cluster					

Example BS in Data Science using MTH 161-162 series

FIRST YEAR		SOPHOMORE		JUNIOR		SENIOR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MTH 161	MTH 162	CSC 172	CSC 242	CSC 240	CSC 261	CSC 282 or DSC 201	DSC 383W
MTH 150	CSC 171	MTH 165	DSC 265	MTH 201	MTH 203	CSC Supplementary	Application Area (W)
Social Science Cluster	WRT 105	DSC 262	Social Science Cluster	WRT 273	Humanities Cluster	Humanities Cluster	Social Science Cluster
Application Area Pre-req*	Application Area	Humanities Cluster	<i>DSC 201 recommended</i>	Application Area			

Example BA in Data Science using MTH 141-143 series

FIRST YEAR		SOPHOMORE		JUNIOR		SENIOR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MTH 141	MTH 142	CSC 172	CSC 242	CSC 240	CSC 261	Application Area (W)	DSC 383W
WRT 105	CSC 171	MTH 143	MTH 165	DSC 262	DSC 265	Social Science Cluster	
Social Science Cluster	MTH 150	DSC 201	Humanities Cluster	WRT 273	Humanities Cluster	Humanities Cluster	Social Science Cluster
Application Area Pre-req*	Application Area			Application Area			

Example BS in Data Science using MTH 141-143 series

FIRST YEAR		SOPHOMORE		JUNIOR		SENIOR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MTH 141	MTH 142	CSC 172	CSC 242	CSC 240	CSC 261	CSC 282 or DSC 201	DSC 383W
WRT 105	CSC 171	MTH 143	MTH 165	DSC 262	DSC 265	CSC Supplementary Course*	Application Area (W)
Social Science Cluster	MTH 150	<i>DSC 201 recommended</i>	Social Science Cluster	WRT 273	Humanities Cluster	Humanities Cluster	Social Science Cluster
Application Area Pre-req*	Humanities Cluster	Application Area	MTH 201	Application Area	MTH 203		

* There may be additional pre-requisites depending on the application area and supplementary course that students select. All students should make an appointment with the data science undergraduate advisor to plan out their course schedule.

BA and BS Sample Schedules for DATA SCIENCE

Key:	PREREQUISITE	CORE	APPLICATION AREA *	CLUSTER	BS SUPPLEMENTAL
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PHYSICS Concentration Examples:

Example BS in Data Science using MTH 161-162 series with PHY 235W

FIRST YEAR		SOPHOMORE		JUNIOR		SENIOR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MTH 161	MTH 162	CSC 172	MTH 165	CSC 242	DSC 240	CSC 282 or DSC 201	DSC 383W
MTH 150	CSC 171	DSC 262	DSC 265	MTH 201	MTH 203	free elective	CSC Supplementary Course *
Social Science Cluster	WRT 105	MTH 164	Humanities Cluster	Social Science Cluster	DSC 261	Humanities Cluster	Social Science Cluster
PHY 099 or EAS 101/102/103/104 or 105	PHY 121	PHY 122	PHY 123	MTH 281 <small>(prereq MTH 164 + MTH165)</small>	PHY 237 <small>(prereq PHY 122/142, PHY 123/143 and MTH 165)</small>	PHY 235W <small>(pre-req PHY 121 or PHY 141, and MTH 281 (MTH 281 may be taken concurrently))</small>	Humanities Cluster

Example BS in Data Science using MTH 161-162 series with PHY 227

FIRST YEAR		SOPHOMORE		JUNIOR		SENIOR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MTH 161	MTH 162	CSC 172	MTH 165	CSC 242	DSC 240	CSC 282 or DSC 201	DSC 383W
MTH 150	CSC 171	DSC 262	DSC 265	MTH 201	MTH 203	WRT 273	CSC Supplementary Course *
Social Science Cluster	WRT 105	MTH 164	Humanities Cluster	Social Science Cluster	DSC 261	Humanities Cluster	Social Science Cluster
PHY 099 or EAS 101/102/103/104 or 105	PHY 121	PHY 122	PHY 123	MTH 281 <small>(prereq MTH 164 + MTH165)</small>	PHY 237 <small>(prereq PHY 122/142, PHY 123/143 and MTH 165)</small>	Humanities Cluster	PHY 227 <small>(pre-req PHY 237 and MTH 281 (MTH 281 may be taken concurrently) If taking this then also take WRT 273 or WRT 275)</small>