

MS-DS Recommended Plan of Study: Option A

Year One

Fall Semester		
Course No.	Title	Cr.
DTSC 5301	Data Science as a Field	1
DTSC 5302	Ethical Issues in Data Science	1
DTSC 5303	Cybersecurity for Data Science	1
DTSC 5501	Data Structures and Algorithms	3
STAT 5000	Statistical Methods and Applications 1	3
		9 cr.

Spring Semester		
Course No.	Title	Cr.
CSCI 5502	Data Mining	3
STAT 5010	Statistical Methods and Applications 2	3
		6 cr.

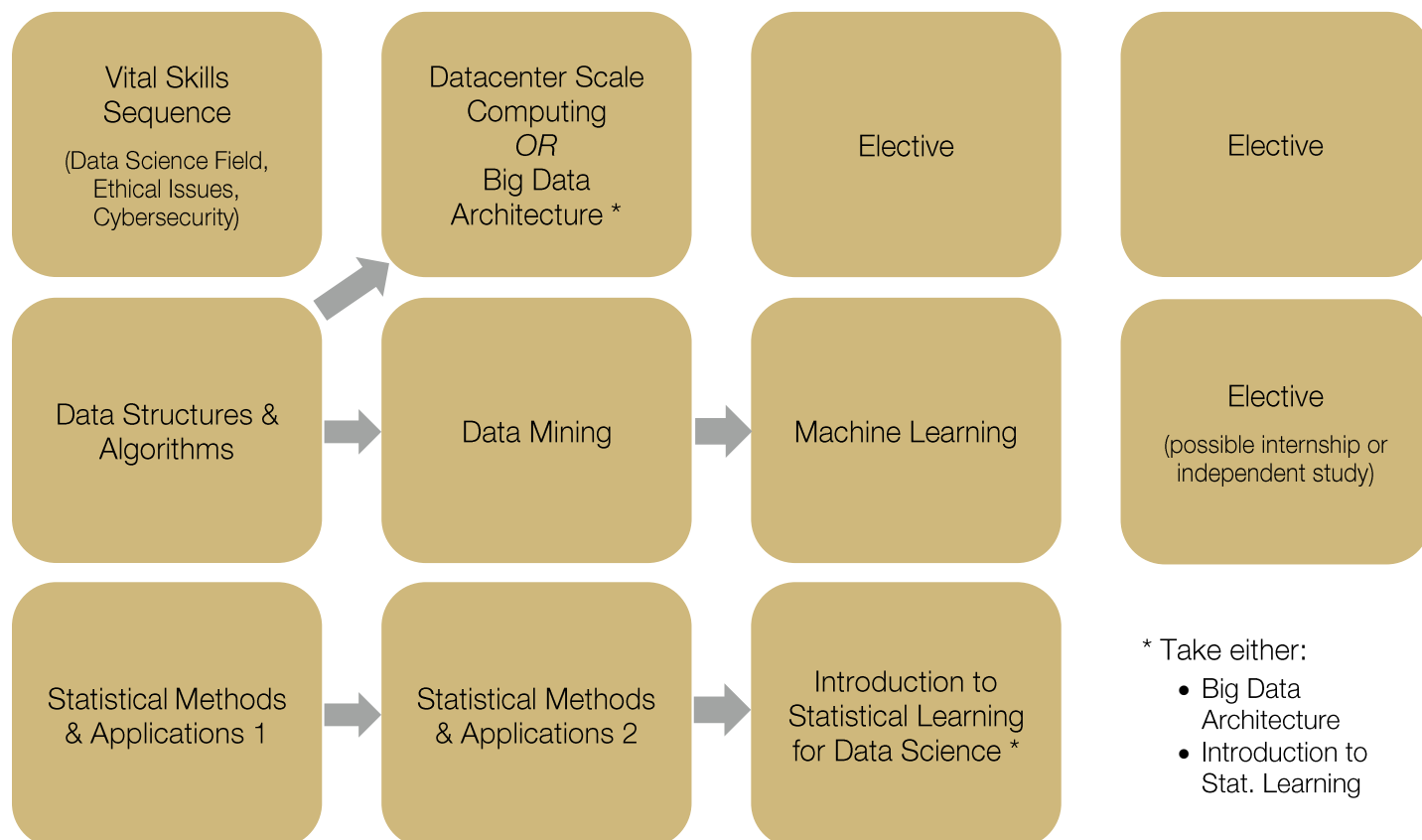
Year Two

Fall Semester		
Course No.	Title	Cr.
—	Elective	3
CSCI 5622	Machine Learning	3
—	Select from Remaining Core Courses*	3
		9 cr.

Spring Semester		
Course No.	Title	Cr.
—	Elective	3
—	Elective	3
		6 cr.

* Intro to Statistical Learning (STAT 5020); Datacenter Scale Computing (CSCI 5253) OR Big Data Architecture (ATLS 5214); Information Visualization (INFO 5602)

Course Flow



- * Take either:
- Big Data Architecture
 - Introduction to Stat. Learning

MS-DS Recommended Plan of Study: Option B

Year One

Fall Semester		
Course No.	Title	Cr.
DTSC 5301	Data Science as a Field	1
DTSC 5302	Ethical Issues in Data Science	1
DTSC 5303	Cybersecurity for Data Science	1
CSCI 5502	Data Mining	3
STAT 5000	Statistical Methods and Applications 1	3
		9 cr.

Spring Semester		
Course No.	Title	Cr.
CSCI 5622	Machine Learning	3
STAT 5010	Statistical Methods and Applications 2	3
		6 cr.

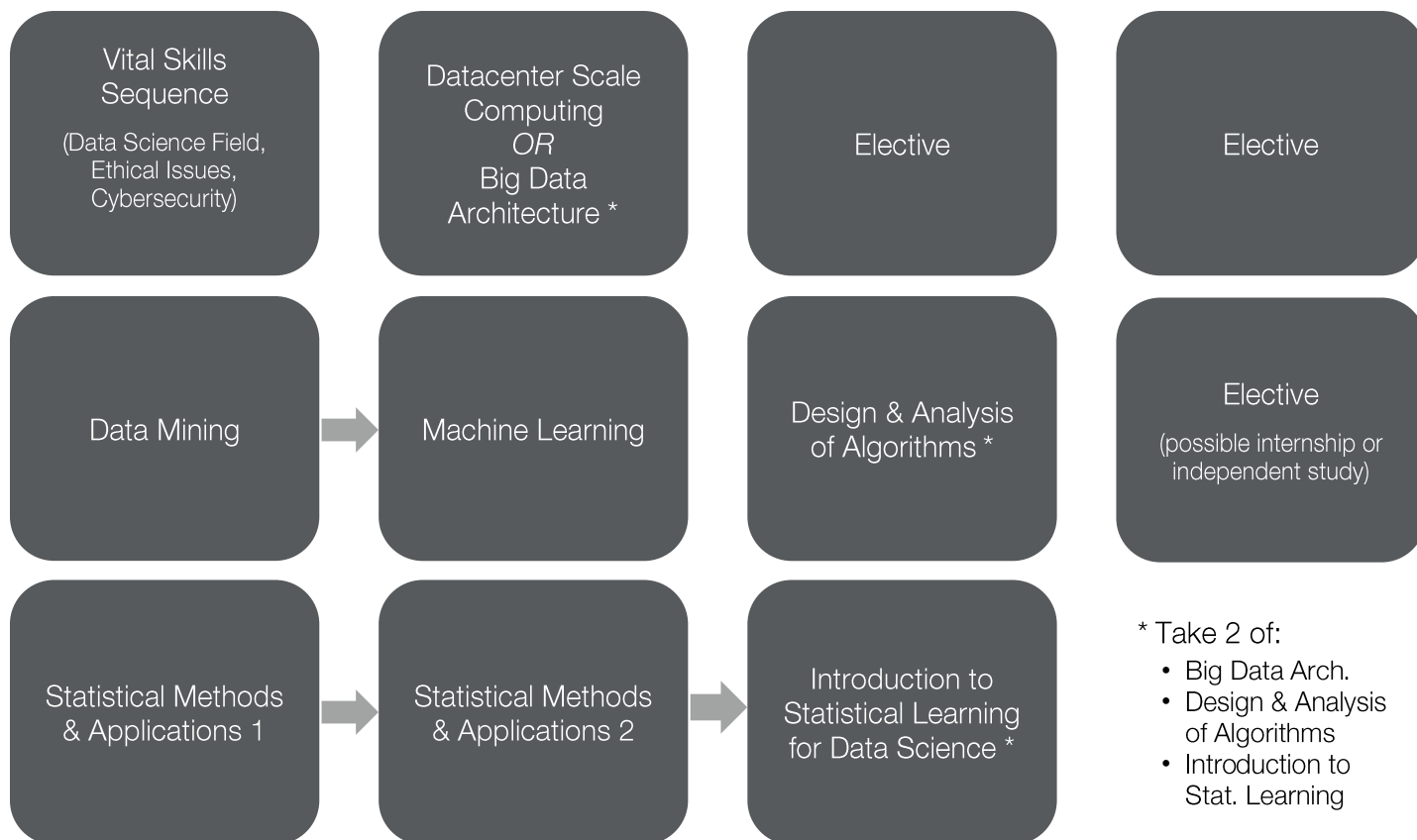
Year Two

Fall Semester		
Course No.	Title	Cr.
—	Elective	3
—	Select from Remaining Core Courses*	3
—	Select from Remaining Core Courses*	3
		9 cr.

Spring Semester		
Course No.	Title	Cr.
—	Elective	3
—	Elective	3
		6 cr.

* Intro to Statistical Learning (STAT 5020); Datacenter Scale Computing (CSCI 5253) OR Big Data Architecture (ATLS 5214); Information Visualization (INFO 5602); Design and Analysis of Algorithms (CSCI 5454)

Course Flow



- * Take 2 of:
- Big Data Arch.
 - Design & Analysis of Algorithms
 - Introduction to Stat. Learning