

Data Analytics Program Major Requirements

DA Major Requirements

- 6 Data Analytics courses - DA 101, DA 210/CS 181, DA/MATH 220, DA 301, DA 350, DA 401
- 1 Computer Science courses – CS 109 or 111 or 112
- 1 Mathematics courses – MATH 135 or 145
- 2 DA Colloquiums - DA 200 (1 credit each) – Sophomore year & Jr/Sr year
- 1 Summer Internship between Jr & Sr year – Approved by DA Assoc. Director Matt Miller
- 1 Complete Domain Concentration (see below) – Typically 3 - 4 courses

Domain Concentration – Requirement may be satisfied by option A or B listed below

OPTION A: Choose one of the following domain concentration groups of courses:
**analytics-intensive course in Italic*

Anthropology & Sociology DAAN (3 courses)

***The ANSO Data Analytics Concentration is not offered to students who matriculated Fall 2023 or thereafter.*

ANSO 100

ANSO 351*

ANSO 343 or 345

or ANSO 3xx (DA Chair approval required)

Biology DABI (4 courses)

BIOL 210

BIOL 220

BIOL 230

BIOL/CS 309 or BIOL 345* (Dr. Yoo only)
or 356* or 375* or 350**

Economics DAEC (4 courses)

ECON 101

ECON 102

ECON 302

ECON 467 (pre-req. ECON 307 or MATH/DA 220)*

Earth and Environmental Science DAEE (4 courses)

EESC 111

EESC 234 or EESC/ENVS 222* & 223**

One of EESC 200, 210, or 211
One of EESC 300, 310, 311, 313, 314, or 333

Environmental Studies DAEN (4 courses)

ENVS 100

*ENVS 200**

EESC 234

or ENVS 215 or (222 & 223) or 240 or 274

ENVS 236 or 256 or 262 or 284 or 334

Philosophy DAPH (3 courses)

PHIL 121 or 126

*PHIL 205**

PHIL 210

Physics DAPY (3-4 courses)

PHYS 121 & 122

or

PHYS 125 & 126 & 127

*PHYS 312**

Psychology DAPS (3 courses)

PSYC 100

*PSYC 200**

PSYC 2xx/3xx

except research courses 370, 410, 361-364, 451-452

OPTION B: Submit an individualized plan to be approved by the Data Analytics Committee.

Suggested Scheduling

First Year	Sophomore	Junior	Senior
MATH 135 or 145			
CS 109 or 111 or 112			
DA 101		Summer Internship	
	DA 200 (1 credit)	DA 200 (1 credit)	
	DA 210/CS 181	DA 301	DA 401
	DA/MATH 220	DA 350	
Domain Concentration & DA Electives			

Please note that DA majors

- Should try and take DA 101, Math 135 or 145, and CS 109 or 111 or 112 in their first year,
- Should have completed DA220/Math 220 and DA 210/CS 181 by the end of their sophomore year, and
- Must take DA 200 sophomore year and again either junior or senior year

For more information, please visit:

<http://denison.edu/academics/data-analytics>

Data Analytics Committee Members 2023:

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