

# Data Analytics major requirements

## Required courses

DA 101 \_\_\_\_ CS 111 or 112 \_\_\_\_ MATH 135 or 145 \_\_\_\_ CS 181 \_\_\_\_ MATH 220 \_\_\_\_  
DA 200\* \_\_\_\_ (SO) \_\_\_\_ (JR/SR) DA 301 \_\_\_\_ DA 350 \_\_\_\_ DA 401 \_\_\_\_

\*starting with the class of 2022

## Electives

The elective requirement may be satisfied in one of the following ways (A or B).

*Option A. Choose one of the following groups of courses:*

Anthropology & Sociology (3 courses)

ANSO 100 \_\_\_\_ ANSO 351 \_\_\_\_ ANSO 343 or 347 \_\_\_\_

Biology (4 courses)

BIOL 210 \_\_\_\_ BIOL 220 \_\_\_\_ BIOL 230 \_\_\_\_

*BIOL 345 (Dr. Yoo only) or 356 (Biostatistics) or 309 (Computational Bio) \_\_\_\_*

Economics (4 courses)

ECON 101 \_\_\_\_ ECON 102 \_\_\_\_ ECON 302 \_\_\_\_ *ECON 467\** \_\_\_\_

\*ECON 307 also recommended prior to 467

Philosophy (3 courses)

PHIL 121 or 126 \_\_\_\_ *PHIL 205* \_\_\_\_ PHIL 210 \_\_\_\_

Physics (3-4 courses)

PHYS 121 \_\_\_\_ PHYS 122 \_\_\_\_

*or*

*PHYS 312* \_\_\_\_

PHYS 125 \_\_\_\_ PHYS 126 \_\_\_\_ PHYS 127 \_\_\_\_

Political Science (3 courses)

*POSC 201* \_\_\_\_ two of POSC 213, 307, 309, or 311 \_\_\_\_

Psychology (3 courses)

PSYC 100 \_\_\_\_ *PSYC 200* \_\_\_\_ PSYC 2xx/3xx<sup>†</sup> \_\_\_\_

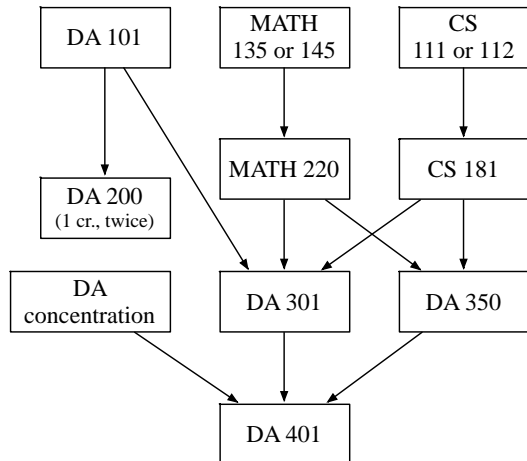
<sup>†</sup>except research courses, 370, 410, 361-364, 451-452

*Option B. Submit an individualized plan to be approved by the Data Analytics Committee.*

## Summer internship

\_\_\_\_\_ (approved by the DA Committee)

## Course prerequisites and suggested scheduling



First Year	Sophomore	Junior	Senior
MATH 135 or 145			
CS 111 or 112		DA 200	
DA 101	DA 200		
	CS 181	DA 301	Internship (summer)
	MATH 220	DA 350	DA 401
Electives			

Note that DA majors

- should try to take DA 101, MATH 135 or 145, and CS 111 or 112 in their first year,
- should have completed MATH 220 and CS 181 by the end of their sophomore year, and
- must take DA 200 sophomore year and again either junior or senior year (starting with the class of 2022).

## Schedule planner

	Fall	Spring
First year		
Sophomore		
Junior	DA 301	DA 350, [summer internship]
Senior	DA 401	

For more information, please visit <http://denison.edu/academics/data-analytics> or contact a member of the Data Analytics Committee:

- Anthony Bonifonte, Data Analytics ([bonifontea@denison.edu](mailto:bonifontea@denison.edu))
- Laura Boyd, Economics ([boydl@denison.edu](mailto:boydl@denison.edu))
- Mike Brady (Associate Director), Data Analytics ([bradym@denison.edu](mailto:bradym@denison.edu))
- Sam Cowling, Philosophy ([cowlings@denison.edu](mailto:cowlings@denison.edu))
- Fareeda Griffith, Anthropology & Sociology ([griffithf@denison.edu](mailto:griffithf@denison.edu))
- Erin Henshaw, Psychology ([henshawe@denison.edu](mailto:henshawe@denison.edu))
- Dan Homan, Physics and Astronomy ([homand@denison.edu](mailto:homand@denison.edu))
- Jessen Havill (Director), Computer Science ([havill@denison.edu](mailto:havill@denison.edu))
- Andy McCall, Biology ([mccalla@denison.edu](mailto:mccalla@denison.edu))
- Matt Neal, Mathematics ([nealm@denison.edu](mailto:nealm@denison.edu))
- Sarah Supp, Data Analytics ([supps@denison.edu](mailto:supps@denison.edu))

Last updated: 3/26/19