

NXT GEN MED

COURSES AND THEMES

at-a-glance



YEAR 1

FALL

Pre-Fall

(starting 2 weeks in advance of the semester)

- CLI-3716 (Living on Purpose)

Block A: Evidence-based Solution Design

- BIOL 2321 Biology of Human Function (part A)
- PUBH 2561 Introduction to Public Health
- CLI 1000 Academic Inquiry into the Health Sciences

Block B: Communicating Complex Problems

- BIOL 2321 Biology of Human Function (part B)
- COMM 2511 Communication Methods
- CLI 1712 Personal Development and Career Exploration

Non-integrated Course

- MATH 1120 Pre-Calculus I

SPRING

Block A: Leadership in Health Care

- MATH 1161 Statistics
- CLI 2713 Career Development and Career Skills in the Health Sciences

Block B: Using Data to Understand Health

- MATH 3721 Introduction to Data Science
- PHIL 1441 Ethics

Non-integrated Courses

- SOC 1571 Introduction to Sociology
- MATH 1121 Pre-Calculus II

SUMMER

- CLI 3496 Internship
- WRIT 1501 Writing and Research
- PSY 1511 Introduction to Psychology
- BIOL 2311 Integrative Biology
- Elective credit (as needed)

Mayo Clinic internship begins in the summer of Year 1 through the end of Spring in Year 2.

YEAR 2

FALL

Block A: Chemical Innovations across Society

- CHEM 1331 Chemical Structures & Properties (part A)
- SOC 3571 Drugs & Society

Block B: Leveraging Data in Problem Solving

- CHEM 1331 Chemical Structures & Properties (part B)
- MATH 3721 Data Science-II
- PUBH 3561 Environmental Health & Justice

Non-integrated Courses

- CLI 3496 Internship
- Elective credit (as needed)

SPRING

Block A: Scientific Collaboration

- CHEM 1333 Chemical Reactivity (part A)
- PHYS 1251 Physics I (part A)
- PSY 3812 Neuropsychology of Well-Being & Resilience (part A)

Block B: Scientific Visualization

- CHEM 1333 Chemical Reactivity (part B)
- PHYS 1251 Physics I (part B)
- PSY 3812 Neuropsychology of Well-Being & Resilience (part B)

Non-integrated Courses

- CLI 3712 Capstone Writing
- CLI 3496: Internship

Capstone and career exploration focus in Year 2. Internship continues through Fall and Spring of Year 2.

SUMMER

- CLI 3522 Community Collaboratory
- SPAN 1521 Spanish I
- SPAN 1522 Spanish II
- ENGL 1433 Introduction to Literature
- HIST 1435 Comparative Global History
- Elective credit (as needed)

YEAR 3

FALL

Block A: Scaling Personalized Medicine

- BIOL 3311 Genetics
- ENGL 3471 Gender & Sexuality Studies (part A)

Block B: Health Care Leadership & Intentionalizing Innovation

- PHIL 3441 Ethics of Medicine & Science
- ENGL 3471 Gender & Sexuality Studies (part B)

Non-integrated Courses

- CLI 4713 Capstone Reflections
- Capstone Major Requirement Courses (minimum of 6 credits)

College Graduation and Career Launch.