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.
### 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

### 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 2

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

### 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.