Health Information Technology Curriculum
(students admitted during or after Fall 2024)

Note that course schedules may vary from term to term. To verify schedules and prerequisites for specific courses, please visit the CLSC courses and registration web page at:
https://cctsi.cuanschutz.edu/training/clsc#resource

Course Number	Course Title	Credits
BIOS 6601*	Applied Biostatistics I	3
BIOS 6602*	Applied Biostatistics II	3
BIOS 6648 or EPID 6626 or BIOS 6623 or EPID 6631	Design and Conduct of Clinical Trials (3 credits) or Research Methods in Epidemiology (3 credits; BIOS 6602 is a pre-requisite) or Advanced Data Analysis (3 credits) or Analytical Epidemiology (3 credits)	3
CLSC 6210†	Research Seminars in Clinical Science	1
CLSC 6270	Critical Appraisal Seminars in Clinical Science	1
HLTH 6071 or NURS 6286	Intro to Health Information Technology or Foundations of Healthcare Informatics	3
NURS 6289	IT Systems Life Cycle	4
CLSC 7101	Grant Writing I	1
CLSC 7150* or CLSC 7152*	Ethics and Responsible Conduct of Research or Ethics and Responsible Conduct of Research in the Digital Age	1
CLSC 7202	Clinical Outcomes and Applications	2
EPID 6630*	Epidemiology	3
NURS 6293 or ISMG 6080	Database Management Systems (Informatics focus) Database Management Systems (Information Systems focus)	3
Required Health Information Technology Course Credits		**28**
Elective Course Credits		**2**
Minimum Number of Required Course Credit (Core + Electives)		**30**
*CLSC 8990	Doctoral Thesis	**≥ 30**

[*] Courses required before Preliminary Exam (biostatistics, ethics, epidemiology). In addition, a second methods class is required (EPID 6626 or EPID 6631 or BIOS 6648 or BIOS 6623 or CLSC 6270 or CLSC 7202).

[†] CLSC 6210 is taken over 1 year typically during the second or third year of your PhD (after passing the Preliminary Examination but before completing the Comprehensive Examination).

* Must take the following prerequisite classes and pass the preliminary exam prior to registering for CLSC 8990: BIOS 6601, BIOS 6602, BIOS 6648 or EPID 6626 or BIOS 6623 or EPID 6631, CLSC 7150, EPID 6630