B.A. in Law, Technology and Culture (Patent Law Concentration)

(120 credits)

Major Requirements

Students in the LTC patent law concentration follow the standard curriculum for the Law, Technology and Culture B.A. (http://catalog.njit.edu/undergraduate/science-liberal-arts/history/law-technology-culture-ba/) while focusing their science-based coursework around a specific natural science discipline (biology, chemistry, physics) or general science literacy.

The curricular options for the LTC B.A. Patent Law concentration are as follows:

Physics Option (24 minimum physics credits)

Students choosing the physics option must complete at least 24 credits of approved physics courses. Only physics courses for physics majors will be accepted.

Chemistry Option (30 minimum chemistry credits)

Students choosing the chemistry option must complete 30 credits of approved chemistry courses. Only chemistry courses for chemistry majors will be accepted.

Biology Option (32 minimum science credits)

Students choosing the biology option must complete 8 credits of approved chemistry or 8 credits of approved physics courses plus 24 credits of approved courses in biology, botany, microbiology, or molecular biology. The 8 semester hours in chemistry or physics must be obtained in two sequential courses, each course including a lab. Only biology courses for biology majors will be accepted.

General Science Option (40 minimum science credits)

Students choosing the general science option must complete 8 credits of approved chemistry or 8 credits of approved physics courses plus 32 credits of approved courses in chemistry, physics, biology, botany, microbiology, molecular biology, or engineering. The 8 semester hours of chemistry or 8 semester hours of physics must be obtained in two sequential courses, each course including a lab. Only courses for science or engineering majors will be accepted

These science curricular options meet the standards mandated by the U.S. Patent and Trademark Office.

Free electives are used to fulfill the minimum science credit hours for options that require more than the 24 science credit hours in the plan of study grid below.

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First Year		
1st Semester		**Credits**
ENGL 101	English Composition: Introduction to Academic Writing	3
MATH 111	Calculus I	4
MGMT 290	Business Law I	3
Natural Science GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/)		3
Computer Science GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/computer-science-ger/)		3
FYS SEM	First-Year Student Seminar	0
	Term Credits	**16**
2nd Semester		
ENGL 102	English Composition: Introduction to Writing for Research	3
Social Science GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/)		3
Mathematics GER Statistics (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/math-ger/)		3

Natural Science with Lab GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/)		4
History and Humanities GER 200 level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/)		3
	Term Credits	**16**
Second Year		
1st Semester		
Legal Foundations Elective [1]		3
LTC Core Elective		3
Free Elective		3
Free Elective		3
Natural Science Elective		3
	Term Credits	**15**
2nd Semester		
Legal Foundations Elective [1]		3
LTC Core Elective		3
Law-Related Elective		3
Free Elective		3
Natural Science with Lab GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/)		4
	Term Credits	**16**
Third Year		
1st Semester		
LTC Core Elective		3
Law-Related Elective		3
Natural Science Elective (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/)		3
Free Elective		3
Free Elective [2]		1
Free Elective		3
	Term Credits	**16**
2nd Semester		
LTC Core Elective		3
Law-Related Elective		3
Natural Science Elective with Lab (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/)		4
Free Elective		3
Free Elective		3
	Term Credits	**16**
Fourth Year		
1st Semester		
HSS 404	Humanities, History and Social Sciences Senior Seminar [3]	3
HIST 310 or HIST 490 or R510 490	Co-op in Law, Technology, Culture and History I [4] or Seminar - Research or Seminar:Research	3
HIST 312	Prof Development in Law	1
Law-Related Elective		3
Science Elective		3
	Term Credits	**13**
2nd Semester		
Law-Related Elective		3
Law-Related Elective		3
Free Elective		3

Free Elective	3
Term Credits	**12**
Total Credits	**120**

Code	Title	Credits
Legal Foundations Electives		
Select three of the following:		
HIST 342	Civil Rights Revolution and Law	
HIST 361	The Founding of the American Nation	
HIST 362	Sex, Gender, and the Law in American History	
HIST 364	American Law in the World	
HIST 369	Law and Society in History	
HIST 395	Research Methods in Law and Society	
MGMT 290	Business Law I	
STS 300	Legal Reasoning, Writing, and Technology	
R790 304	Intro Law And Legal Res	

Code	Title	Credits
LTC Core Electives		
Select four of the following:		
EVSC 335	Environmental Law	
HIST 370	Legal issues in the History of Media	
HIST 320	Law and Evidence	
HIST 338	Environmental Justice and Climate Change in America	
HIST 375	Legal Issues in Environmental History	
HIST 378	Medicine and Health Law in Modern America	
HIST 384	Invention and Regulation	
IE 447	Legal Aspects of Engineering	
IT 331	Privacy and Information Technology	
IT 332	Digital Crime	
IT 400	Information Technology and the Law	
R790 382	Environm Pol & Policy	

Code	Title	Credits
Law-Related Electives [5]		
Select six of the following: [6]		
HIST 373	The Rise of Modern Science	
IE 472	Product Liability Engineering	
R202 201	Intro Criminal Justice	
R512 265	Amer Legal Hist	
R512 266	American Legal History II	
R202 305	Case Process:Law & Courts	
R512 379	Us Hist In The Court	
R790 356	Sex Law & Public Pol	
R790 367	Jurisprudence and Legal Theory	
R790 381	Judicial Process	
R790 387	International Law	
R790 401 & R790 402	Amer Constitutl Dev and Amer Constitutl Dev	
R790 409	Law & Public Policy (Writing Intensive)	
R920 349	Law & Society	

1 Course must satisfy the History and Humanities 300 GER (https://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/).

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2 Student may replace 1-credit elective if he or she has taken a 4-credit course elsewhere.

3 Must be an approved law-related HSS 404 History Seminar.

4 Students may take a History Research Seminar (HIST 490 or R510 490) instead of HIST 310 with the approval of the LTC advisor. Student projects in the history research seminar must be law-related.

5 Students who wish to pursue a specialty in law in relation to a specific scientific, technological, environmental, medical, or media field (such as health policy or intellectual property on the Internet), legal field (such as environmental law, criminal law, or international law), or interdisciplinary thematic field (such as gender studies) may count up to 9 credits of advisor-approved courses in that field toward the electives requirement for the major. For example, a student interested in environmental law might take HIST 334 Environmental History of North America and 6 credits of courses in environmental science and/or environmental policy for elective course credit in the major.

6 Every course in this category must be approved by the LTC Advisor. Other law-related classes at NJIT and/or Rutgers that are not designated in this list may be used to satisfy the 18 credits of Law-Related Electives. The Rutgers Law School faculty occasionally offer classes open to undergraduates that can be used to satisfy these credits.