

NOTICE OF CURRICULUM CHANGES 2022-23

STUDIO ART MAJOR AND MINOR

The following changes to the studio art major and minor requirements are applicable to students graduating in 2025 and later. Students graduating in 2024 may choose either the old or new requirements.

Requirements of the Major

ARS 110 (Introduction to Drawing)

ARS 230 (Ceramics-I) OR ARS 240 (Hot Glass-I)

ARH 260 (Survey of Western Art-I)

ARH 261 (Survey of Western Art-II)

One additional introductory studio course from the following:

ARS 210 (Introduction to Oil Painting)

ARS 230 (Ceramics-I) – if not used above

ARS 240 (Hot Glass-I) – if not used above

ARS 250 (Introduction to Photography)

Two additional intermediate studio courses from the following:

ARS 220 (Intermediate Drawing: Figure, Landscape)

ARS 320 (Intermediate Painting: Figure, Landscape)

ARS 330 (Ceramics-II)

ARS 340 (Hot Glass-II)

ARS 350 (Photography-II)

Two advanced studio courses from the following:

ARS 321 (Advanced Painting and Drawing)

ARS 331 (Ceramics-III)

ARS 341 (Hot Glass-III)

ARS 351 (Photography-III)

ARS 420 (Advanced Projects: Painting and Drawing)

ARS 430 (Ceramics-IV)

ARS 440 (Hot Glass-IV)

ARS 450 (Photography-IV)

ARS 499 (Senior Exhibition)

Requirements of the Minor

Five ARS courses, two of which need to be at 300 level or higher

CHEMICAL PHYSICS MAJOR

The following changes to the chemical physics major requirements are applicable to students graduating in 2025 and later. Students graduating in 2023 or 2024 may choose either the old or new requirements.

Requirements of the Major

CHE 131 (General Chemistry-I) and CHE 132 (General Chemistry-II) OR CHE 135 (Accelerated General Chemistry)

CHE 241 (Organic Chemistry-I)

CHE 361 (Thermodynamics and Kinetics)

CHE 362 (Quantum Chemistry and Spectroscopy)

MAT 165 (Modern Calculus-I) OR equivalent

MAT 185 (Modern Calculus-II) OR equivalent

MAT 235 (Modern Calculus-III) OR MAT 230 (Calculus-III)

PHY 210 (General Physics-I)

PHY 230 (General Physics-II)

PHY 310 (Modern Physics-I)

PHY 325 (Advanced Laboratory Techniques)

Two additional courses chosen from the following:

- CHE 332 (Inorganic Chemistry)
- CHE 350 (Instrumental Analysis)
- PHY 370 (Thermodynamics & Statistical Mechanics)
- PHY 380 (Optics)
- PHY 399 (Quantum Mechanics)

COMPUTER SCIENCE MAJOR AND MINOR

The following computer science major and minor requirements are applicable to students graduating in 2023 and later.

Requirements of the Major

MAT 200 (Discrete Math) OR MAT 300 (Foundations of Mathematics)

CSC 170 (Programming and Problem Solving)

** CSC 220 (Programming and Problem Solving) will meet the requirement for students who have completed the class.

CSC 270 (Data Structures)

CSC 280 (Systems Programming)

CSC 360 (Software Design)

CSC 362 (Database Programming and Design)

CSC 370 (Design and Analysis of Algorithms)

Any two additional CSC courses numbered 300 or more (excludes non-classroom work: research, independent studies, and internships). DSC 340 (Applied Machine Learning) (formerly DSC 305 (Data Science and Analytics)) will count for one of the additional courses.

Requirements of the Minor

MAT 200 (Discrete Math) OR MAT 300 (Foundations of Mathematics)

CSC 170 Programming and Problem Solving

** CSC 220 (Programming and Problem Solving) will meet the requirement for students who have completed the class.

CSC 270 (Data Structures)

CSC 370 (Design and Analysis of Algorithms)

One of the following:

CSC 280 (Systems Programming)

CSC 360 (Software Design)

CSC 362 (Database Programming and Design)

DATA SCIENCE MAJOR AND MINOR

The following data science major and minor requirements are applicable to students graduating in 2026 and later. Students graduating in 2025 may choose either the old or new minor requirements..

Requirements of the Major

MAT 130 (Introduction to Statistics)

MAT 165 (Modern Calculus-I)

CSC 170 (Programming and Problem Solving)

** CSC 220 (Programming and Problem Solving) will meet the requirement for students who have completed the class.

DSC 230 (Statistical Modeling)

** DSC 205 (Statistical Modeling) will meet the requirement for students who have completed the class.

DSC 270 (Data Manipulation)

DSC 280 (Data Visualization) OR ECO 280 (Data Analysis and Communication)

DSC 340 (Applied Machine Learning)

** DSC 305 (Data Science and Analytics) will meet the requirements for students who have completed the class.

DSC 500 (Data Science Capstone)

Three additional elective courses. Electives courses include any DSC 300+ courses not listed above, as well as the courses listed below. **At least 2 of the 3 elective courses must be DSC courses.** Note that all of the non-DSC electives do have prerequisites and would be appropriate for those double majoring in another discipline.

Additional electives

ANT 305/SOC 305 (Research Methods)
ANT 360 (GIS and the Environment)
BIO 390 (Biostatistics)
BIO 392 (Bioinformatics (3))
CSC 372 (Artificial Intelligence)
CSC 362 (Database Programming and Design)
ECO 392 (Economic Forecasting)
ECO 395 (Empirical Analysis)
MAT 310 (Probability Theory)
MAT 414 (Stochastic Modeling)

Requirements of the Minor

MAT 130 (Introduction to Statistics)
CSC 170 (Programming and Problem Solving)
** CSC 220 (Programming and Problem Solving) will meet the requirement for students who have completed the class.
DSC 230 (Statistical Modeling)
** DSC 205 (Statistical Modeling) will meet the requirement for students who have completed the class.
DSC 270 (Data Manipulation)
DSC 280 (Data Visualization) OR ECO 280 (Data Analysis and Communication)
One additional DSC course numbered 300 or higher

INTERNATIONAL STUDIES MAJOR AND MINOR

The following changes to the international studies major requirements are applicable to students graduating in 2025 and later. Students graduating in 2024 may choose either the old or new requirements. The following changes to the international studies minor are applicable to all current students.

Requirements of the Major

One modern language through the 220-level from the following:

ARB 220 (Intermediate Arabic-II)
CHN 220 (Intermediate Chinese-II)
FRE 220 (Intermediate Workshop)
GER 220 (Images of History and Civilization)
JPN 220 (Intermediate Japanese-II)
SPA 220 (Intermediate Spanish-II)

IST 110 (Introduction to International Studies)

IST 210 (Research Design)

IST 2XX (Theories of Race and Ethnicity) OR POL 260 (Introduction to International Relations)

IST 500 (Senior Seminar)

One Interdisciplinary Regional Study course (IST courses numbered 340 to 349) from the following:

IST 340 (Europe: Politics, Society, and Culture)
IST 341 (Latin America: Politics, Society, and Culture)
IST 343 (Africa: Politics, Society, and Culture)
IST 344 (Middle East: Politics, Society, and Culture)
IST 345 (South Asia: Politics, Society, and Culture)
IST 346 (East Asia: Politics, Society, and Culture)
IST 347 (North America: Politics, Society, and Culture)

** These courses were previously designated as POL 340 to POL 349

Two Interdisciplinary Global Study course (IST courses numbered 350 to 399) from the following:

- IST 351 (Religion and International Relations)
- IST 360 (Global Health: COVID-19 in Context)
- IST 361 (Global Challenges & Social Justice)
- IST 370 (War)
- IST 372 (Environmental Justice)
- IST 374 (Gender/ing Global Studies)
- IST 381 (Sport, Africa, and Development)
- IST 385 (Topics in Global Studies)

Four courses chosen from three of the four disciplines listed below (subject to approval by IST advisor):

1. International Politics:

POL 361 (International Law), POL 362 (International Organization), POL 363 (American Foreign Policy), POL 364 (National and International Security), POL 370 (International Political Economy), POL 371 (Political Economy of Development), POL 449 (Mexican Politics and Society), POL 451 (British Politics), POL 461 (The Construction of Europe), POL 464 (Religion and International Politics), POL 466 (Genocide: Fact and Film)

2. Religion:

REL 210 (Introduction to Judaism and Jewish Traditions), REL 220 (Introduction to Christianity and Christian Traditions), REL 230 (Introduction to Islam and Islamic Traditions), REL 240 (Introduction to Hinduism and Hindu Traditions), OR REL 250 (Introduction to Buddhism and Buddhist Traditions), REL 221 (Performing Tradition: Art, Religion, Globalization), REL 310 (The Art of Pilgrimage), REL 311 (The Holy Land), REL 329 (Dying for God), REL 336 (Religion and Ritual in Hinduism), REL 340 (Poverty and Homelessness), REL 344 (Religion and Violence), REL 347 (Liberation Theologies), REL 350 (The Holocaust), REL 355 (The Politics of Religious Identities), REL 380 (Gender and Sexuality in Islam), REL 385 (Sufism and Islamic Spirituality), REL 454 (Religion and Human Rights in a Global Society), REL 459 (Jews, Christians, Muslims)

3. History:

HIS 309 (Europe in the Age of Hitler), HIS 311 (Modern France), HIS 322 (The Holocaust), HIS 329 (European Topics Abroad: History of London), HIS 333 (Chairman Mao's China), HIS 342 (Modern Japan), HIS 352 (Modern Africa), HIS 371/REL 376 (Religion in Latin America), HIS 376 (America in the World Wars), HIS 377 (Modern Latin America), HIS 388 (Lawyers, Guns and Money), HIS 389 (Tyrants and Terrorists), HIS 394 (Public History: Who Owns the Past), HIS 431 (African Film), HIS 468 (Race in Latin America), HIS 471 (Identity in Modern Mexico)

4. Economics:

ECO 310 (Comparative Economic Systems), ECO 315 (The Chinese Economy), ECO 321 (The Economics of London), ECO 323 (The Economy of Merida), ECO 335 (Economic Growth), ECO 355 (Environmental Economics), ECO 360 (Economic Development), ECO 365 (Sustainability), ECO 375 (Economic History of the Modern World), ECO 420 (International Trade)

**** NOTE: Students can take up to three courses abroad for the IST major, but no more than two abroad from the disciplinary track**

Requirements of the Minor

IST 110 (Introduction to International Studies)

IST 2XX (Theories of Race and Ethnicity) OR POL 260 (Introduction to International Relations)

One Interdisciplinary Regional Study course (IST courses numbered 340 to 349) from the following:

- IST 340 (Europe: Politics, Society, and Culture)
- IST 341 (Latin America: Politics, Society, and Culture)
- IST 343 (Africa: Politics, Society, and Culture)
- IST 344 (Middle East: Politics, Society, and Culture)
- IST 345 (South Asia: Politics, Society, and Culture)
- IST 346 (East Asia: Politics, Society, and Culture)
- IST 347 (North America: Politics, Society, and Culture)

** These courses were previously designated as POL 340 to POL 349

One Interdisciplinary Global Study course (IST courses numbered 350 to 399) from the following:

IST 351 (Religion and International Relations)

IST 360 (Global Health: COVID-19 in Context)

IST 361 (Global Challenges & Social Justice)

IST 370 (War)

IST 372 (Environmental Justice)

IST 374 (Gender/ing Global Studies)

IST 381 (Sport, Africa, and Development)

IST 385 (Topics in Global Studies)

Three courses chosen from three of the four disciplines in International Politics, Religion, History, or Economics (subject to approval by IST advisor; see courses listed above in major requirements).

PHYSICS MAJOR AND MINOR

The following changes to the physics major and minor requirements are applicable to students graduating in 2025 and later. Students graduating in 2023 or 2024 may choose either the old or new requirements.

Requirements of the Major

CHE 131 (General Chemistry-I) OR CHE 135 (Accelerated General Chemistry)

MAT 165 (Modern Calculus-I) OR equivalent

MAT 185 (Modern Calculus-II) OR equivalent

MAT 235 (Modern Calculus-III) OR MAT 230 (Calculus-III)

MAT 360 (Differential Equations)

PHY 210 (General Physics-I)

PHY 230 (General Physics-II)

PHY 310 (Modern Physics-I)

PHY 325 (Advanced Laboratory Techniques)

PHY 340 (Advanced Mechanics)

PHY 350 (Advanced Electricity and Magnetism)

PHY 370 (Thermodynamics & Statistical Mechanics)

PHY 300 (Introduction to Electronics) OR PHY 380 (Optics)

One PHY course at the 300-level or higher

Requirements of the Minor

CHE 131 (General Chemistry-I) OR CHE 135 (Accelerated General Chemistry)

MAT 165 (Modern Calculus-I) OR equivalent

MAT 185 (Modern Calculus-II) OR equivalent

MAT 235 (Modern Calculus-III) OR MAT 230 (Calculus-III)

MAT 360 (Differential Equations)

PHY 210 (General Physics-I)

PHY 230 (General Physics-II)

PHY 310 (Modern Physics-I)

PHY 325 (Advanced Laboratory Techniques)

One PHY course at the 300-level or higher

POLITICS MAJOR

The following changes to the politics major requirements are applicable to students graduating in 2024 and later. Students graduating in 2023 may choose either the old or new requirements.

Requirements of the Major

POL 120 (Political Ideologies and Issues)

POL 130 (Political Institutions)

POL 210 (American Political Thought)

POL 220 (Law and Society)

POL 260 (Introduction to International Relations)

One POL course chosen from courses numbered 300-309

One POL course chosen from courses numbered 320-329
One POL course chosen from courses numbered 330-339
Two additional POL courses numbered 300 or higher
POL 205 (Introduction to Political Analysis) OR IST 210 (Research Design)

PSYCHOLOGY MINOR

The following changes to the psychology minor requirements are applicable to students graduating in 2024 and later. Students graduating in 2023 may choose either the old or new requirements.

PSY 110 (Introduction to Psychological Science) OR PSY 111 (Survey of Psychological Science)
MAT 130 (Introduction to Statistics)
PSY 205 (Introduction to Research Methods)
PSY 210 (Experimental Psychology) OR BNS 210 (Research Methods: Behavioral Neuroscience) and one additional PSY Course numbered 300 or higher if student is a BNS major
Four PSY course numbered 300 or higher, excluding PSY 350, PSY 351, and PSY 500

RELIGION MAJOR AND MINOR

The following changes to the religion major and minor requirements are applicable to students graduating in 2024 and later.

Requirements of the Major

One course from two of the following three groups:

Group 1 – Biblical and Qur’anic Traditions – REL courses numbered 101 to 120

** REL 210 (Introduction to Judaism and Jewish Traditions), REL 220 (Introduction to Christianity and Christian Traditions), and REL 230 (Introduction to Islam and Islamic Traditions) will count for this requirement for students who have already taken or who are taking those classes

Group 2 – Asian Traditions – REL courses numbered 121 to 139

** REL 240 (Introduction to Hinduism and Hindu Traditions) and REL 250 (Introduction to Buddhism and Buddhist Traditions) will count for this requirement for students who have already taken or who are taking those classes

Group 3 – African, Caribbean, and Indigenous Traditions – REL courses numbered 151 to 169

REL 299

Two REL courses number 300 or higher

Three additional REL courses, excluding REL 499 and REL 500. One of these courses may be taken in another program (chosen from a pre-approved list or approved by petition)

REL 499

REL 500

Requirements of the Minor

REL 299

One REL course numbered 300 or higher

Three additional REL courses, excluding REL 299