FACULTY SENATE
UNDERGRADUATE CURRICULUM COMMITTEE
NOVEMBER 20, 2025

1. Department of Engineering and Environmental Sciences
   a. Change in existing minor: Geology
2. Department of Accounting and Finance
   a. Experimental/New course: FNC XXX Emerging Topics in Finance
   b. Experimental/New course: FNC XXX Fundamentals of Wealth Management
3. Department of Media Culture
   a. New course: COM 331 Visual Journalism: Mobile Production (former experimental)
   b. New course: COM 336 Artificial Intelligence for Creative Practice (former experimental)
   c. Experimental/New course: CIN 4XX Media Distribution Strategies: A Location-Based Study
   d. Change in degree requirements: Communications BS and MHC Communications BS
   e. Change in existing minor: Design and Digital Media
   f. Change in existing minor: Media Studies
   g. Change in existing minor: Journalism
4. Department of Mathematics
   a. New course: MTH 119 Business Precalculus with Algebra Review
   b. Change in existing course: MTH 121 Finite Mathematics
   c. Change in existing course: MTH 221 Applied Finite Mathematics and Business Calculus
   d. Change in existing course: MTH 311 Probability Theory and an Introduction to Mathematical Statistics
   e. New course: MTH 348 Computational Linear Algebra
5. Department of Mathematics and Department of Computer Science
   a. Change in existing degree: Computer Science/Mathematics BS & MHC Computer Science/Mathematics BS
6. Department of English
   a. New course: LING 204 Introduction to Speech and Language Pathology
   b. New course: LING 202 The Linguistic Landscape of the USA
   c. Change in existing degree: English BA & MHC English BA: Concentrations in Literature, Writing, Dramatic Literature, and Linguistics
7. Department of Physics and Astronomy
   a. Change in existing course: PHY 315 Advanced Physics Laboratory
   b. Change in existing minor: Physics
8. Department of Physics and Astronomy and Department of Curriculum & Instruction and Department of Educational Studies
   a. Change in existing degree: Physics 7-12 BS and MHC Physics 7-12 BS
9. Department of Computer Science
   a. Change in existing course: CSC 221 Networks & Security
   b. New minor: Computer Technology

c. Change in existing degree: Computer Science BS and MHC Computer Science BS

1. DEPARTMENT OF ENGINEERING & ENVIRONMENTAL SCIENCES
A. CHANGE IN EXISTING MINOR: GEOLOGY
DEPARTMENT/PROGRAM: Engineering and Environmental Science
TITLE OF DEGREE/MAJOR/MINOR/CERTIFICATE: Geology Minor
REQUIREMENTS:
~~(GEO 100 and GEO 101) OR (GEO 115 and GEO 116) AND~~
~~(ESC 110 and ESC 111) OR (GEO 106 and GEO 107) OR (GEO 111 and GEO 112) OR (GEO 113 and GEO 114) AND~~
~~GEO 102 and GEO 103 AND~~
~~GEO 210 AND~~
~~GEO 212 AND~~
~~ONE elective from any ESC or GEO course at the 200-level or above~~
TOTAL NUMBER OF CREDITS: ~~23 or 24~~
TO (USE UNDERLINE FOR CHANGES):
DEPARTMENT/PROGRAM: Engineering and Environmental Science
TITLE OF DEGREE/MAJOR/MINOR/CERTIFICATE: Geology Minor
REQUIREMENTS:
<u>GEO 115/116 AND</u>
<u>(GEO 102 and 103) OR (GEO 106 and 107) AND</u>
<u>(GEO 210 OR GEO 212) AND</u>
<u>(GEO 220 OR GEO 230 OR GEO 325 OR ESC 302) AND</u>
<u>(GEO 310 OR GEO 322) AND</u>
<u>(GEO 315 OR GEO 320 OR GEO 301)</u>
<u>Earth and Environmental Science majors may only use GEO 115/116 and either GEO 210 or GEO 212 to satisfy the Geology Minor, for a total of 8 credits.</u>
TOTAL NUMBER OF CREDITS: <u>23</u>
EFFECTIVE FALL SEMESTER: Fall 2026
RATIONALE: The Engineering and Environmental Science Department currently offers a geology minor. However, it is unavailable for Earth and Environmental Science BS students due to the significant overlap between the major and minor courses. This prevents students interested in geosciences from developing a deeper understanding of these processes. These changes will allow all students within the university to declare a minor in geology and will additionally prepare students in the Earth and Environmental Science program with a strong interest in geology and who potentially want to go to graduate school and/or become a NY State PG requiring passing the ASBOG professional exam. This may also be taken by Biology, Chemistry, or Physics students, particularly if they plan to teach grades 7-12 and want to add a second science.
SUBMISSION TO CURRICULUM OFFICE: 10/30/25
APPROVAL: Earth and Environmental Science Curriculum Committee 09/23/2025, Engineering and Environmental Science Department 10/08/2025, UCC 11/7/25
CONSULTATION: Physics and Astronomy Anatoly Kuklov, 10/26/2025; Mathematics, Carlo Lancellotti 10/29/2025

2. DEPARTMENT OF ACCOUNTING AND FINANCE
A. EXPERIMENTAL/NEW COURSE: FNC 3XX Emerging Topics in Finance
DEPARTMENT/PROGRAM: Accounting & Finance
CAREER: Undergraduate
ACADEMIC LEVEL: Undergraduate
SUBJECT AREA: Finance
PROPOSED COURSE NUMBER: FNC 3XX
COURSE TITLE: Emerging Topics in Finance

PREREQUISITES: N/A
COREQUISITES: N/A
PRE/COREQUISITES: N/A
CREDITS: 4
CONTACT HOURS: 4
CATALOG DESCRIPTION: An exploration of rapidly evolving areas in finance as they emerge and develop. Multiple topics and innovation areas will be covered in a single semester. Emphasis is placed on the leading companies and individuals driving innovation in the emerging fields. Students will explore key roles and players in the market, along with the tools, concepts, and models used in financial decision-making related to the topic areas.
EXPERIMENTAL: **YES (FALL 2026**)/REGISTRAR TO ENTER IN COURSEDOG
REPEAT FOR CREDIT: NO
LIBERAL ARTS: No
COURSE ATTRIBUTE:
GENERAL EDUCATION COMPONENT: N/A
EFFECTIVE FALL SEMESTER: FALL 2026
ROLE IN CURRICULUM: Elective in the BS in Business-Finance Concentration as a substitution for FNC 350.
RATIONALE: This course is intended to offer an opportunity for students to explore current and emerging topics in the finance industry. It is designed to provide a practical overview of these emerging technologies and their growing role in disrupting traditional business models, along with their potential impact and need for regulation. Students will gain hands-on experience with relevant tools and develop the ability to critically evaluate information generated by these technologies. Because of the rapid development and implementation of these technologies, this course is intended to be somewhat modular, allowing the department to update the topics emerged from the financial industry. Expected enrollment/capacity is 30 students. **Requesting computer lab for course.**
APPROVAL: Department Approval: 9/26/2025, UCC 11/07/25
CONSULTATION: Computer Science (10/3/2025), Marketing/Information Systems (10/13/2025)

B. EXPERIMENTAL/NEW COURSE: FNC 3XX Fundamentals of Wealth Management
DEPARTMENT/PROGRAM: Accounting & Finance
CAREER: Undergraduate
ACADEMIC LEVEL: Undergraduate, Professional
SUBJECT AREA: Finance
PROPOSED COURSE NUMBER: FNC 3XX
COURSE TITLE: Fundamentals of Wealth Management
PREREQUISITES: N/A
COREQUISITES: N/A
PRE/COREQUISITES: FNC 240
CREDITS: 4
CONTACT HOURS: 4
CATALOG DESCRIPTION: A survey of personal financial planning and wealth management. It introduces issues and analytical techniques, from the context of the individual, household, or small business owner, related to insurance and risk management, income tax planning, investment planning, education planning, retirement planning, and estate planning. This course also addresses the function, purpose, and regulation of the wealth management industry, as well as the ethical responsibilities of wealth management professionals. This course is focused on private wealth management, as opposed to institutional wealth management.
EXPERIMENTAL: **YES (FALL 2026**)/REGISTRAR TO ENTER IN COURSEDOG
REPEAT FOR CREDIT: NO

LIBERAL ARTS: No
COURSE ATTRIBUTE: N/A
GENERAL EDUCATION COMPONENT: N/A
EFFECTIVE FALL SEMESTER: FALL 2026
ENROLLMENT: 30
CAPACITY: 30
EQUIPMENT: Smart classroom and computer lab.
APPROVAL: Department Approval: 10/17/2025, UCC 11/7/25
CONSULTATION: N/A
ROLE IN CURRICULUM: Elective in BS in Business: Finance; Elective in Minor in Business: Finance as a substitution for FNC 350.
RATIONALE:

- The demand for personal financial advisors is expected to grow faster than average, at a rate of 13% through 2032, according to the U.S. Bureau of Labor Statistics. Thus, the demand for financial planners is quickly outpacing the supply.
- Wealth management and financial planning skills are essential for individuals in either their career or personal life. This course is designed for students who are interested in pursuing a career in financial planning, or those who would like to help with the wealth management of their own families.
- The goals of this course are to introduce the approach of evaluating financial status, and to develop a foundation of fundamental knowledge in asset classes and financial services to better support students' debt management, asset acquisition, and wealth accumulation, while maintaining professional integrity.
- This course is designed to be useful as an introductory text for students who have little wealth management background to access the discipline with up-to-date analytical techniques and industrial practice. It is also a reference work for practitioners or those who would like to pursue professional credentials in the future to better process higher-level courses in wealth management.

3. DEPARTMENT/PROGRAM: MEDIA CULTURE
A. NEW COURSE: COM 331 VISUAL JOURNALISM: MOBILE PRODUCTION
DEPARTMENT/PROGRAM: MEDIA CULTURE
CAREER LEVEL(UNDERGRADUATE OR GRADUATE) : Undergraduate
ACADEMIC LEVEL(REGULAR OR REMEDIAL): Regular
SUBJECT AREA (I.E. ART, BIOLOGY): COMMUNICATIONS
PROPOSED COURSE NUMBER/LEVEL: COM 331
COURSE TITLE: Visual Journalism: Mobile Production
PREREQUISITE: CIN 111 and COM 277 or COM 204 or COM 270 or CIN 120
COREQUISITE: N/A
PRE OR COREQUISITE: N/A
CREDITS: 4
HOURS: 4
CATALOG DESCRIPTION: An advanced-level course for creating engaging visual journalism using smartphones and other accessible tools. Students will gain experience with the practical aspects of digital journalism and storytelling, such as producing, interviewing, and shooting on location, while also refining journalistic skills, such as accuracy, clarity, and analysis. Students will produce a short piece of visual journalism and will create a digital home for their work. This course is beneficial for students looking to develop their professional voice and style, working on

topics that matter to them.
EXPERIMENTAL: NO
REPEAT FOR CREDIT: NO
LIBERAL ARTS AND SCIENCES (YES OR NO): NO
GENERAL EDUCATION: N/A
EFFECTIVE FALL SEMESTER: 2026
ROLE IN CURRICULUM: An intermediate/advanced-level, practical course for students in the COM-Journalism concentration, which can also satisfy the production course requirement for COM-Media Studies. Using the tools that they already have in their pockets, this course will help them to elevate their work. COM 331 will complement other course offerings, building on students' existing skills and interests in social media and short-form video-making. In this class students will also discuss how to make work that is easily adaptable to multiple platforms, and the importance of developing a digital "home" where they can share their work, which is important for them to build a professional profile. Pre-requisites ensure that students are prepared to undertake more advanced independent production work.
RATIONALE: We initially offered COM 331 as an experimental course, recognizing an urgent need for journalism-specific practice/production courses at the advanced level for our students so they can complete their program of study without relying on many substitutions, particularly while the television studio has been undergoing renovation. Based on our experience running the class, we think we should regularize it and offer it on a regular basis to meet the needs of our Journalism students and, potentially, as a production/practice option for students in other concentrations. The field of journalism is rapidly evolving, and our students need to be able to create and evaluate work using everyday tools. Professional communication in increasingly depending on using tools like smartphones, and this course can help them to refine their skills and understand how to develop a robust portfolio of their own work using flexible, everyday tools. It can be a good complement to journalism courses that are more focused on writing, or courses that focus on television studio production, allowing students to build skills that are transferable across these different ways of working.
SUBMISSION TO COMMITTEE CHAIR: 10/31/25
APPROVAL: Department of Media Culture, 10/24/2025, UCC 11/7/25
CONSULTATION: Sarolta Takacs, HSS Dean, 11/2/2025, Don Selby, Chair, Sociology/Anthropology, 10/27/2025, Richard Flanagan, Political Science and Global Affairs, 10/30/2025, Sarah Pollack, World Languages and Literature, 10/30/2025

B. NEW COURSE: COM 336 ARTIFICIAL INTELLIGENCE FOR CREATIVE PRACTICE
DEPARTMENT/PROGRAM: MEDIA CULTURE
CAREER LEVEL(UNDERGRADUATE OR GRADUATE): Undergraduate
ACADEMIC LEVEL(REGULAR OR REMEDIAL): Regular
SUBJECT AREA (I.E. ART, BIOLOGY): COMMUNICATIONS
PROPOSED COURSE NUMBER/LEVEL: COM 336
COURSE TITLE: Artificial Intelligence for Creative Practice
PREREQUISITE: COM 251 OR CIN 211 OR CIN 212 OR COM 270 OR CIN 214
COREQUISITE: N/A
PRE OR COREQUISITE: N/A
CREDITS: 4
HOURS: 4
CATALOG DESCRIPTION: Explores AI as a creative tool within important critical and historical context. In this hands-on course, students will creatively use text, image, sound, and video-based Artificial Intelligence tools to make their own work while considering ethical and practical concerns. To make informed and critical creative use of these tools, students will read about and discuss the complex ethical, bias, privacy, labor, and intellectual property issues related to

AI. Tools explored may include image, video, and text generators, AI tools within legacy creative tools such as the Adobe Creative Suite, as well as new emergent creative tools.
EXPERIMENTAL: NO
REPEAT FOR CREDIT: NO
LIBERAL ARTS AND SCIENCES (YES OR NO): NO
GENERAL EDUCATION: N/A
EFFECTIVE FALL SEMESTER 2026
ROLE IN CURRICULUM: This 300-level intermediate/advanced production course addresses emergent aspects of generative artificial intelligence in digital design and media production. This will be one more choice at the 300-level for students in COM-Design and Digital Media, and to satisfy the production option for students in COM-Media Studies. Other COM and CIN students may take it, and it can count towards their degree plan with substitution. Students will make creative work while reading and discussing the humanistic issues that surround the technology. Code and algorithms underly many of the tools we use in digital production, but the transformation in how we can interface with these tools, using linguistic and visual prompts in new ways has profound implications on the kind of work students are making. Many students are already using artificial intelligence in their daily lives, and it is being rapidly integrated into digital platforms, and this course provides an opportunity to be deliberate and reflective about that use, as well as to learn more about how these tools actually function. Knowing that the subject is evolving rapidly, the course is designed to be flexible and responsive to developments in the field.
RATIONALE: This course was successfully offered twice as an experimental course and should be added to the catalogue as a regular offering for our COM-Design and Digital Media and COM-Media Studies programs. While Artificial Intelligence has been appearing in tools like Photoshop under tools/names like "content aware fill" and "content aware scale" for the last 10 years, in the 2020s, we have seen a transformation in the way these and other tools use data and machine learning. This course is designed to allow a wide range of students studying creative practices to engage critically and creatively with emerging tools and practices. Students are already using AI in their personal, professional, and academic work, and this offers an opportunity for faculty to guide them in thinking about how to do so ethically and effectively.
SUBMISSION TO COMMITTEE CHAIR: 10/31/25
APPROVAL: *Department of Media Culture 10/24/2025, UCC 11/7/25*
CONSULTATION: Sarolta Takacs, HSS Dean, 11/2/2025, Don Selby, Chair, Sociology/Anthropology, 10/27/2025, Richard Flanagan, Political Science and Global Affairs, 10/30/2025, Sarah Pollack, World Languages and Literature, 10/30/2025

C. EXPERIMENTAL/NEW COURSE: CIN 4XX MEDIA DISTRIBUTION STRATEGIES: A LOCATION-BASED STUDY
DEPARTMENT/PROGRAM: MEDIA CULTURE
CAREER LEVEL: UNDERGRADUATE
ACADEMIC LEVEL: REGULAR
SUBJECT AREA: CINEMA STUDIES
PROPOSED COURSE NUMBER/LEVEL: CIN 4XX
COURSE TITLE: Media Distribution Strategies: A Location-Based Study
PREREQUISITE: CIN 311 or CIN 312 or CIN 314 or CIN 318 or CIN 330
COREQUISITE: N/A
PRE OR COREQUISITE: N/A
CREDITS: 4
HOURS: 4
CATALOG DESCRIPTION: This upper-level seminar addresses a critical gap in media education: production students learn to create high-quality work but not how to circulate it

professionally. While students may share work on social media or personal networks, professional distribution requires understanding institutional submission processes, curatorial criteria, festival strategies, gallery representation, broadcast requirements, and streaming platform economics.

This course examines how media reaches audiences through professional channels by visiting and learning directly from NYC-based festivals, galleries, museums, archives, broadcast facilities, and distributors. Students gain practical knowledge of submission requirements, build professional networks, and understand which distribution pathways align with different types of media projects.

EXPERIMENTAL: YES//REGISTRAR TO ENTER IN COURSEDOG
REPEAT FOR CREDIT: NO
LIBERAL ARTS AND SCIENCES: NO
GENERAL EDUCATION/COURSE ATTRIBUTE: N/A
EFFECTIVE FALL SEMESTER: 2026
ROLE IN CURRICULUM: This 400-level capstone course addresses media distribution—the critical gap between production and audience. Students in CIN production programs complete coursework in CIN 111, 211, 212, 241, 261, 311, 312, 318, and 330, but lack instruction on how their work reaches audiences. This course is the final piece: teaching students how to strategically position their work in professional media ecosystems across NYC. The course will be offered annually in the Fall semester with a projected enrollment of 10 students maximum.
RATIONALE: Student Demand: Upper-division production students have explicitly requested coursework on distribution strategies and career pathways. Students graduate with strong portfolios but lack understanding of submission processes, curatorial criteria, institutional systems, and career pathways in media distribution. To evaluate the viability of institutional collaborations, this course will be offered as an experimental course in the Fall 2026 semester.
Departmental Need: The Department of Media Culture curriculum offers strong production and theory training but no coursework on distribution, exhibition, or the business/institutional side of media careers. This course fills that critical gap.
Location Advantage: New York City is a global media hub with major festivals, galleries, museums, archives, broadcast operations, and streaming platforms. This course leverages CSI's geographic location as a primary pedagogical asset by using real institutions as classrooms.
Career Preparation: Graduating media makers need professional networks and an understanding of real-world distribution systems. Direct access to working professionals and authentic institutional settings provides networking opportunities and career mentorship that classroom instruction cannot replicate.
Differentiation from Related Courses:
- CIN production courses teach how to make media; CIN 4XX teaches how to circulate it
- CIN 211 and CIN 318 teach craft and technique; CIN 4XX teaches professional and institutional context
- CIN 330 teaches production approaches; CIN 4XX teaches distribution pathways for that work

When Offered: Fall semester annually
Expected Enrollment: 10 students maximum (small enrollment essential for meaningful engagement at partner institutions)
SUBMISSION TO CURRICULUM COMMITTEE DATE: 10/31/25
APPROVAL: Department of Media Culture, 10/27/2025, UCC 11/7/25
CONSULTATION: Sarolta Takacs, HSS Dean, 11/2/2025, Don Selby, Chair, Sociology/Anthropology, 10/27/2025, Richard Flanagan, Political Science and Global Affairs, 10/30/2025, Sarah Pollack, World Languages and Literature, 10/30/2025

D. CHANGE IN EXISTING DEGREE PROGRAM: COMMUNICATIONS BS & MHC COMMUNICATIONS BS
DEPARTMENT/PROGRAM: MEDIA CULTURE
TITLE OF DEGREE: COMMUNICATIONS BS: MEDIA STUDIES, DESIGN & DIGITAL MEDIA, AND JOURNALISM SPECIALIZATIONS
FROM:
History and Theory of Communications
CIN 100 Introduction to Film (3)
COM 150 Introduction to Communications (4)
COM 203 Theories of Communications (4)
CIN 220 Film History or COM 200 Contemporary Issues in Media Culture and Communications or COM 205 Media Industries or COM 220 History of Radio and Television or COM 230 History of Print Media or COM 232 History of Design and Digital Media (4)

Practical and Applied
COM 115 Introduction to Design & Digital Media (1)
COM 315 Media Analysis (4)
COM 390 Media Internship (3-4)
COM 450 Senior Seminar in Communications Research or COM 451 Advanced Design and Digital Media Workshop or COM 492 Senior Project for Design and Digital Media (4)

Foreign Language Requirement
ARB/ASL/CHN/FRN/ITL/SPN Demonstration of proficiency in a foreign language through the intermediate level 213 or above 0-4

COMPLETE ONE OF THE FOLLOWING SPECIALIZATIONS:
<u>**MEDIA STUDIES**</u>
CIN 111 (3)
CIN 120 (3)

Two of the following:
CIN 204/POL 219 Politics, Cinema, Media (4)
CIN 206/COM 206 African Americans in the Media (4)
CIN 208/COM 208/AMS 208/LACL 208 Latino/a Media (4)
CIN 230/AMS 230 American Myth, American Film
CIN 240 Transnational Cinemas and Global Diaspora (4)
CIN 271/WGS 271 Women and Film (4)
CIN 304 Nonfiction Film and Television (4)
CIN 309 Histories and Theories of Experimental Moving-Image Media (4)
COM 200 Contemporary Issues in Media and Communications (4)
COM 225/ANT 225 Multicultural Literacy (4)
COM 328 Sports Media (4)
COM 325/CIN 325/EAS 325 East Asian Popular Culture (4)
COM 335/CIN 335/AAD 335 So
CIN 309 Histories and Theories of Experimental Moving-Image Media (4)
COM 200 Contemporary Issues in Media and Communications (4)
COM 225/ANT 225 Multicultural Literacy (4)
COM 328 Sports Media (4)
COM 325/CIN 325/EAS 325 East Asian Popular Culture (4)
COM 335/CIN 335/AAD 335 Social Justice, Anti-Racism and Activist Media
COM 371/SOC 371 Media and the Margins (4)

One of the following:
COM 240/CIN 241 Media Workshop: Acting, Directing and Producing for the Media (3)
COM 261/CIN 261 Television Studio Production (3)
CIN 211 Cinematography (3)
CIN 212 Documentary (3)
CIN 214 Sound for Film and Media (3)

One of the following:
COM 250 Typography & Design (3)
COM 251 Digital Imaging I (3)

One of the following:
COM 270 Digital Audio Production I (3)
CIN 311 Video Workshop (4)
CIN 312 Nonlinear and Multimedia Production (4)
CIN 330 Experimental Film and Video Production Workshop (4)
COM 318 Advanced TV Studio Production (4)
COM 317 Information Design (4)
COM 320 Motion Graphics (4)
COM 330 Data Visualization (4)
COM 336 Artificial Intelligence for Creative Practice (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 370 Web Design, Graphics, and Theory (4)

One of the following:
COM 415 Media Audiences (4)
COM 420 Global Media (4)
COM 425 Media Regulation (4)
COM 445/EWR Journalism & Society (4)

DESIGN AND DIGITAL MEDIA
Design and Digital Media Specialization
COM 250 Typography and Design (3)
COM 251 Digital Imaging I (3)
COM 370 Web Design, Graphics, and Theory (4)

Three of the following:
COM 313 Principles of Editorial Design (4)
COM 317 Information Design (4)
COM 320 Motion Graphics (4)
COM 330 Data Visualization (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 380 Web Design, Interaction and Theory (4)
COM 401 Advanced Motion Graphics (4)
One of the following:
ART 130 Introductory Painting (3)
ART 245 Printmaking (3)
CIN 111 Video I (3)

COM 270 Digital Audio Production I (3)
COM 310/ENL 313 Writing for Advertising and Public Relations
COM 313 Principles of Editorial Design (4)
COM 317 Information Design (4)
COM 320 Motion Graphics (4)
COM 330 Data Visualization (4)
COM 332 History and Theory of Advertising and Public Relations (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 380 Web Design, Interaction and Theory (4)
COM 401 Advanced Motion Graphics (4)
COM 451 Advanced Design and Digital Media Workshop (4)
COM 492 Senior Project for Design and Digital Media (4)
PHO 101 Introduction to Photography (3)

JOURNALISM
Foundations for Journalism
Complete ALL of the following Courses:
CIN 111 - Video I
COM 204 - Introduction to Online Journalism
COM 277 - Introduction to Journalism
OR EWR 277 - Introduction to Journalism

Intermediate Production for Journalism
Complete at least 1 of the following Courses:
CIN 212 - Documentary Video
COM 250 - Typography and Design
COM 251 - Digital Imaging I
CIN 261 - Television Studio Production
OR COM 261 - Television Studio Production
COM 270 - Digital Audio Production I

Intermediate/Advanced Practice in Journalism
Complete at least 1 of the following Courses:
COM 330 - Data Visualization
CIN 318 - Advanced TV Studio Production
OR COM 318 - Advanced TV Studio Production
COM 412 - Broadcast Journalism
OR ENL 412 - Broadcast Journalism
COM 438 - Newspaper Reporting
OR ENL 438 - Newspaper Reporting
COM 446 - Digital Design for Journalists

Advanced History for Journalism
Complete at least 1 of the following Courses:
CIN 304 - Nonfiction Film and Television
COM 328 - Sports Media
COM 415 - Media Audiences
COM 425 - Media Regulation
COM 445 - Journalism and Society
OR EWR 445 - Journalism and Society

COM 480 - Studies in Advanced Journalism
OR ENL 480 - Studies in Advanced Journalism
Intermediate Advanced Writing for Journalism
Complete at least 1 of the following Courses:
COM 310 - Writing for Advertising and Public Relations
OR EWR 313 - Writing for Advertising and Public Relations
COM 465 - Writing for the Media
OR EWR 465 - Writing for the Media
EWR 433 - Nonfiction Writing
EWR 440 - Magazine Writing
EWR 441 - Writing about Media
TOTAL CREDITS:
TO:
History and Theory of Communications
CIN 100 Introduction to Film (3)
COM 150 Introduction to Communications (4)
COM 203 Theories of Communications (4)
CIN 220 Film History or COM 200 Contemporary Issues in Media Culture and Communications
or COM 205 Media Industries or COM 220 History of Radio and Television or COM 230 History
of Print Media or COM 232 History of Design and Digital Media (4)

Practical and Applied
COM 115 Introduction to Design & Digital Media (1)
COM 315 Media Analysis (4)
COM 390 Media Internship (3-4)
COM 450 Senior Seminar in Communications Research or COM 451 Advanced Design and
Digital Media Workshop or COM 492 Senior Project for Design and Digital Media (4)

Foreign Language Requirement
ARB/ASL/CHN/FRN/ITL/SPN Demonstration of proficiency in a foreign language through the
intermediate level 213 or above 0-4

COMPLETE ONE OF THE FOLLOWING SPECIALIZATIONS:
MEDIA STUDIES
CIN 111 (3)
CIN 120 (3)

Two of the following:
CIN 204/POL 219 Politics, Cinema, Media (4)
CIN 206/COM 206 African Americans in the Media (4)
CIN 208/COM 208/AMS 208/LACL 208 Latino/a Media (4)
CIN 230/AMS 230 American Myth, American Film
CIN 240 Transnational Cinemas and Global Diaspora (4)
CIN 271/WGS 271 Women and Film (4)
CIN 304 Nonfiction Film and Television (4)
CIN 309 Histories and Theories of Experimental Moving-Image Media (4)
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COM 335/CIN 335/AAD 335 So

CIN 309 Histories and Theories of Experimental Moving-Image Media (4)
COM 200 Contemporary Issues in Media and Communications (4)
COM 225/ANT 225 Multicultural Literacy (4)
COM 328 Sports Media (4)
COM 325/CIN 325/EAS 325 East Asian Popular Culture (4)
COM 335/CIN 335/AAD 335 Social Justice, Anti-Racism and Activist Media
COM 371/SOC 371 Media and the Margins (4)

One of the following:
COM 240/CIN 241 Media Workshop: Acting, Directing and Producing for the Media (3)
COM 261/CIN 261 Television Studio Production (3)
CIN 211 Cinematography (3)
CIN 212 Documentary (3)
CIN 214 Sound for Film and Media (3)

One of the following:
COM 250 Typography & Design (3)
COM 251 Digital Imaging I (3)

One of the following:
COM 270 Digital Audio Production I (3)
CIN 311 Video Workshop (4)
CIN 312 Nonlinear and Multimedia Production (4)
CIN 330 Experimental Film and Video Production Workshop (4)
COM 318 Advanced TV Studio Production (4)
COM 317 Information Design (4)
COM 320 Motion Graphics (4)
COM 330 Data Visualization (4)
COM 331 Visual Journalism: Mobile Production (4)
COM 336 Artificial Intelligence for Creative Practice (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 370 Web Design, Graphics, and Theory (4)

One of the following:
COM 415 Media Audiences (4)
COM 420 Global Media (4)
COM 425 Media Regulation (4)
COM 445/EWR Journalism & Society (4)

DESIGN AND DIGITAL MEDIA
Design and Digital Media Specialization
COM 250 Typography and Design (3)
COM 251 Digital Imaging I (3)
COM 370 Web Design, Graphics, and Theory (4)

Three of the following:
COM 313 Principles of Editorial Design (4)
COM 317 Information Design (4)
COM 320 Motion Graphics (4)
COM 330 Data Visualization (4)

COM 336 Artificial Intelligence for Creative Practice (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 380 Web Design, Interaction and Theory (4)
COM 401 Advanced Motion Graphics (4)

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ART 130 Introductory Painting (3)
ART 245 Printmaking (3)
CIN 111 Video I (3)
COM 270 Digital Audio Production I (3)
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COM 313 Principles of Editorial Design (4)
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COM 332 History and Theory of Advertising and Public Relations (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 380 Web Design, Interaction and Theory (4)
COM 401 Advanced Motion Graphics (4)
COM 451 Advanced Design and Digital Media Workshop (4)
COM 492 Senior Project for Design and Digital Media (4)
PHO 101 Introduction to Photography (3)

JOURNALISM
Foundations for Journalism
Complete ALL of the following Courses:
CIN 111 - Video I
COM 204 - Introduction to Online Journalism
COM 277 - Introduction to Journalism
OR EWR 277 - Introduction to Journalism

Intermediate Production for Journalism
Complete at least 1 of the following Courses:
CIN 212 - Documentary Video
COM 250 - Typography and Design
COM 251 - Digital Imaging I
CIN 261 - Television Studio Production
OR COM 261 - Television Studio Production
COM 270 - Digital Audio Production I

Intermediate/Advanced Practice in Journalism
Complete at least 1 of the following Courses:
COM 330 - Data Visualization
COM 331 Visual Journalism: Mobile Production
CIN 318 - Advanced TV Studio Production
OR COM 318 - Advanced TV Studio Production
COM 412 - Broadcast Journalism
OR EWR 412 - Broadcast Journalism
COM 438 - Newspaper Reporting

OR EWR 438 - Newspaper Reporting
COM 446 - Digital Design for Journalists

Advanced History for Journalism
Complete at least 1 of the following Courses:
CIN 304 - Nonfiction Film and Television
COM 328 - Sports Media
COM 415 - Media Audiences
COM 425 - Media Regulation
COM 445 - Journalism and Society
OR EWR 445 - Journalism and Society
COM 480 - Studies in Advanced Journalism
OR ENL 480 - Studies in Advanced Journalism
Intermediate Advanced Writing for Journalism
Complete at least 1 of the following Courses:
COM 310 - Writing for Advertising and Public Relations
OR EWR 313 - Writing for Advertising and Public Relations
COM 465 - Writing for the Media
OR EWR 465 - Writing for the Media
EWR 433 - Nonfiction Writing
EWR 440 - Magazine Writing
EWR 441 - Writing about Media
TOTAL CREDITS: NO CHANGE
EFFECTIVE FALL SEMESTER: 2026
SUBMISSION TO COMMITTEE CHAIR: 10/31/25
RATIONALE: Adding the new courses, COM 331 and COM 336, to the major/minor programs.
APPROVAL: Media Culture 10/25, UCC 11/7/25
CONSULTATION: N/A

E. CHANGE IN EXISTING MINOR: DESIGN AND DIGITAL MEDIA
DEPARTMENT/PROGRAM: MEDIA CULTURE
DEGREE/PROGRAM: DESIGN AND DIGITAL MEDIA MINOR
FROM:
REQUIREMENTS:
Complete ALL of the following Courses:
COM 115 Introduction to Design & Digital Media (1)
COM 150 Introduction to Communications (4) or COM 100 Introduction to Media (3) or COM 101 Media Literacy (3)
COM 250 Typography and Design (3)
COM 251 Digital Imaging I (3)

Complete at least 2 of the following Courses:
COM 313 Principles of Editorial Design (4)
COM 317 Information Design (4)
COM 320 Motion Graphics (4)
COM 330 Data Visualization (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 370 Web Design, Graphics, and Theory (4)
COM 380 Web Design, Interaction and Theory (4)

TOTAL CREDITS: 17-18
TO:
REQUIREMENTS:
Complete ALL of the following Courses:
COM 115 Introduction to Design & Digital Media (1)
COM 150 Introduction to Communications (4) or COM 100 Introduction to Media (3) or COM 101 Media Literacy (3)
COM 250 Typography and Design (3)
COM 251 Digital Imaging I (3)

Complete at least 2 of the following Courses:
COM 313 Principles of Editorial Design (4)
COM 317 Information Design (4)
COM 320 Motion Graphics (4)
COM 330 Data Visualization (4)
COM 336 Artificial Intelligence for Creative Practice (4)
COM 341 Communications Design Workshop (4)
COM 351 Digital Imaging II (4)
COM 370 Web Design, Graphics, and Theory (4)
COM 380 Web Design, Interaction and Theory (4)
TOTAL CREDITS: No Change
EFFECTIVE FALL SEMESTER: 2026
SUBMISSION TO COMMITTEE CHAIR: 10/31/25
RATIONALE: Adding the new courses, COM 331 and COM 336, to the major/minor programs.
APPROVAL: Media Culture 10/25, UCC 11/7/25
CONSULTATION: N/A

F. CHANGE IN EXISTING MINOR: MEDIA STUDIES MINOR
DEPARTMENT: MEDIA CULTURE
DEGREE/PROGRAM: MEDIA STUDIES MINOR
FROM:
REQUIREMENTS:
Complete ALL of the following Courses:
COM 150 - Introduction to Communications
CIN 111 - Video I

Complete at least 1 of the following Courses:
COM 200 - Contemporary Issues in Media, Culture and Communications
COM 220 - History of Radio and Television
COM 225 - Multicultural Literacy
OR ANT 225 - Multicultural Literacy
COM 371 - Media and the Margins
OR SOC 371 - Media and the Margins
OR LACL 371 - Media and the Margins

Complete at least 2 of the following Courses:
COM 240 - Media Workshop: Acting, Directing, and Producing for the Media
OR CIN 241 - Media Workshop: Acting, Directing, and Producing for the Media
COM 261 - Television Studio Production
OR CIN 261 - Television Studio Production
COM 270 - Digital Audio Production I

CIN 120 - Video II
TOTAL CREDITS: 17
TO:
REQUIREMENTS:
Complete ALL of the following Courses:
COM 150 - Introduction to Communications
CIN 111 - Video I

Complete at least 1 of the following Courses:
COM 200 - Contemporary Issues in Media, Culture and Communications
COM 220 - History of Radio and Television
COM 225 - Multicultural Literacy
OR ANT 225 - Multicultural Literacy
COM 371 - Media and the Margins
OR SOC 371 - Media and the Margins
OR LACL 371 - Media and the Margins

Complete at least 2 of the following Courses:
COM 240 - Media Workshop: Acting, Directing, and Producing for the Media
OR CIN 241 - Media Workshop: Acting, Directing, and Producing for the Media
COM 261 - Television Studio Production
OR CIN 261 - Television Studio Production
COM 270 - Digital Audio Production I
<u>COM 331 Visual Journalism: Mobile Production</u>
CIN 120 - Video II
TOTAL CREDITS: No Change
EFFECTIVE FALL SEMESTER: 2026
SUBMISSION TO COMMITTEE CHAIR: 10/31/25
RATIONALE: Adding the new courses, COM 331 and COM 336, to the major/minor programs.
APPROVAL: Media Culture 10/25, UCC 11/7/25
CONSULTATION: N/A

G. CHANGE IN EXISTING MINOR: JOURNALISM MINOR
DEPARTMENT: MEDIA CULTURE
DEGREE/PROGRAM: JOURNALISM MINOR
FROM:
REQUIREMENTS:
Foundations for Journalists
Complete ALL of the following Courses:
COM 277 - Introduction to Journalism
COM 204 - Introduction to Online Journalism

Production for Journalists
Complete at least 2 of the following Courses:
CIN 111 - Video I
CIN 212 - Documentary Video
CIN 261 - Television Studio Production
OR COM 261 - Television Studio Production
COM 251 - Digital Imaging I
~~COM 271 - Radio and TV News-Casting~~

Advanced Practices for Journalists
Complete at least 1 of the following Courses:
COM 318 - Advanced TV Studio Production
OR CIN 318 - Advanced TV Studio Production
EWR 433 - Nonfiction Writing
EWR 440 - Magazine Writing
EWR 441 - Writing about Media
COM 310 - Writing for Advertising and Public Relations
OR EWRL 313 - Writing for Advertising and Public Relations
COM 438 - Newspaper Reporting
OR EWR 438 - Newspaper Reporting
COM 445 - Journalism and Society
OR EWR 445 - Journalism and Society
COM 446 - Digital Design for Journalists
COM 465 - Writing for the Media
OR EWR 465 - Writing for the Media
COM 480 - Studies in Advanced Journalism
OR ENL 480 - Studies in Advanced Journalism
TOTAL CREDITS: 17
TO:
REQUIREMENTS:
Foundations for Journalists
Complete ALL of the following Courses:
COM 277 - Introduction to Journalism
COM 204 - Introduction to Online Journalism

Production for Journalists
Complete at least 2 of the following Courses:
CIN 111 - Video I
CIN 212 - Documentary Video
CIN 261 - Television Studio Production
OR COM 261 - Television Studio Production
COM 251 - Digital Imaging I
COM 270 – Digital Audio Production I

Advanced Practices for Journalists
Complete at least 1 of the following Courses:
COM 318 - Advanced TV Studio Production
OR CIN 318 - Advanced TV Studio Production
EWR 433 - Nonfiction Writing
EWR 440 - Magazine Writing
EWR 441 - Writing about Media
COM 310 - Writing for Advertising and Public Relations
OR EWR 313 - Writing for Advertising and Public Relations
COM 331 Visual Journalism: Mobile Production
COM 438 - Newspaper Reporting
OR EWR 438 - Newspaper Reporting
COM 445 - Journalism and Society
OR EWR 445 - Journalism and Society
COM 446 - Digital Design for Journalists

COM 465 - Writing for the Media
OR EWR 465 - Writing for the Media
COM 480 - Studies in Advanced Journalism
OR ENL 480 - Studies in Advanced Journalism
TOTAL CREDITS: No Change
EFFECTIVE FALL SEMESTER: 2026
SUBMISSION TO COMMITTEE CHAIR: 10/31/25
RATIONALE: Adding the new courses, COM 331 and COM 336, to the major/minor programs.
APPROVAL: Media Culture 10/25, UCC 11/7/25
CONSULTATION: N/A

4. DEPARTMENT OF MATHEMATICS
A. NEW COURSE: MTH 119 BUSINESS PRECALCULUS WITH ALGEBRA REVIEW

DEPARTMENT/PROGRAM: MATHEMATICS
CAREER LEVEL: UNDERGRADUATE
ACADEMIC LEVEL: DEVELOPMENTAL
SUBJECT AREA: MATHEMATICS
PROPOSED COURSE NUMBER/LEVEL: 119 (# PROVIDED BY REGISTRAR)
COURSE TITLE: BUSINESS PRECALCULUS WITH ALGEBRA REVIEW
PREREQUISITE: Appropriate Math placement
COREQUISITE: N/A
PRE OR COREQUISITE: N/A
CREDITS: 3
HOURS: 4 (ACADEMIC PROGRESS AND FINANCIAL AID UNITS)
CATALOG DESCRIPTION: An introduction to mathematical concepts and techniques used in business and economics. Topics include functions and their graphs (linear, quadratic, polynomial, rational, exponential, and logarithmic), with an emphasis on modeling and solving business problems. Students will develop analytical and quantitative reasoning skills using algebraic, graphical, and numerical methods. This course also includes a review of algebra topics needed for business precalculus.
EXPERIMENTAL: NO
REPEAT FOR CREDIT: NO
LIBERAL ARTS AND SCIENCES: YES
GENERAL EDUCATION/COURSE ATTRIBUTE: MATHEMATICAL & QUANTITATIVE REASONING DEVELOPMENTAL, STEM
EFFECTIVE FALL SEMESTER: FALL 2026
ROLE IN CURRICULUM: A mathematics course for business majors covering several topics in business calculus
RATIONALE: This course provides a pathway for non-proficient students into Business Calculus.
SUBMISSION TO CURRICULUM OFFICE: 10/27/25
APPROVAL: MATHEMATICS 9/25, UCC 11/7/25, GEC 11/10/25
CONSULTATION: SCHOOL OF BUSINESS 10/23/25

B. CHANGE IN EXISTING COURSE: MTH 121 FINITE MATHEMATICS
FROM:
COURSE: **MTH 121** ~~Finite Mathematics~~
PREREQUISITE: ~~MTH 30 or an appropriate math placement or permission of the Department of Mathematics~~
COREQUISITE: N/A
PRE OR COREQUISITE: N/A

CREDITS: 3
HOURS: 3
CATALOG DESCRIPTION: ~~Linear functions and equations, graphing techniques, matrix algebra, applications of matrices to systems of linear equations and to business problems, quadratic functions and equations, exponential and logarithmic functions.~~
REQUIREMENT DESIGNATION: LIBERAL ARTS: YES
COURSE ATTRIBUTE: N/A
GENERAL EDUCATION COMPONENT: MATHEMATICAL AND QUANTITATIVE REASONING
TO:
COURSE: <u>MTH 121 BUSINESS PRE-CALCULUS</u>
PREREQUISITE: <u>Appropriate Math Placement</u>
PRE/COREQUISITE: No Change
CREDITS: No Change
HOURS: No Change
CATALOG DESCRIPTION: <u>An introduction to mathematical concepts and techniques used in business and economics. Topics include functions and their graphs (linear, quadratic, polynomial, rational, exponential, and logarithmic), with an emphasis on modeling and solving business problems. Students will develop analytical and quantitative reasoning skills using algebraic, graphical, and numerical methods. This course is intended primarily for business and economics students.</u>
REQUIREMENT DESIGNATION: LIBERAL ARTS: No Change
COURSE ATTRIBUTE: No Change
GENERAL EDUCATION COMPONENT: No Change
EFFECTIVE FALL SEMESTER: 2026
ROLE IN CURRICULUM: A mathematics course for business majors covering several topics in preparation for Business Calculus.
RATIONALE: The name does not reflect the current content/syllabus.
SUBMISSION TO COMMITTEE CHAIR: 10/27/26
APPROVAL: MATHEMATICS 9/25, UCC 11/7/25
CONSULTATION: SCHOOL OF BUSINESS 10/23/25

C. CHANGE IN EXISTING COURSE: MTH 221 APPLIED FINITE MATHEMATICS AND BUSINESS CALCULUS
FROM:
COURSE: **MTH 221 ~~Applied Finite Mathematics and~~ Business Calculus**
PRE-REQUISITE: MTH 121, MTH 123, MTH 125, ~~or the permission of the Department of Mathematics.~~
PRE/COREQUISITE: NONE
CREDITS: 4 credits
HOURS: 4 hours
CATALOG DESCRIPTION: ~~Linear programming (simplex method), decision analysis, mathematics of finance, Markov chains, elementary techniques of differentiation and integration of polynomial functions, maxima and minima problems, applications to business problems.~~ This course is intended primarily for business and economics ~~students. Prerequisite: MTH 121 or MTH 123 or MTH 125 (STEM)~~
REQUIREMENT DESIGNATION: LIBERAL ARTS: YES
COURSE ATTRIBUTE: N/A
GENERAL EDUCATION COMPONENT: MATHEMATICAL AND QUANTITATIVE REASONING (STEM)
 TO:

COURSE: <u>MTH 221 BUSINESS CALCULUS</u>
PRE-REQUISITE: <u>MTH 119</u> or MTH 121 or MTH 123 or MTH 125
PRE/COREQUISITE: No Change
CREDITS: No Change
HOURS: No Change
CATALOG DESCRIPTION: <u>An introduction to differential and integral calculus with applications to business and economics. Topics include limits, derivatives, optimization, and integration, emphasizing problem solving and interpretation in business contexts. This course is intended primarily for business and economics students.</u>
REQUIREMENT DESIGNATION: LIBERAL ARTS: No Change
COURSE ATTRIBUTE: No Change
GENERAL EDUCATION COMPONENT: No Change
EFFECTIVE FALL SEMESTER: 2026
ROLE IN CURRICULUM: Calculus and related topics for business and economics.
RATIONALE: The title/description does not reflect the current content/syllabus. The change also adds MTH 119 to the prerequisite.
SUBMISSION TO COMMITTEE CHAIR: 10/27/26
APPROVAL: MATHEMATICS 9/25, UCC 11/7/25, GEC 11/10/25
CONSULTATION: SCHOOL OF BUSINESS 10/23/25

D. CHANGE IN EXISTING COURSE: MTH 311 PROBABILITY THEORY AND AN INTRODUCTION TO MATHEMATICAL STATISTICS
FROM: (USE STRIKETHROUGH FOR CHANGES)
DEPARTMENT/PROGRAM: Mathematics
COURSE NO. AND TITLE: MTH 311 Probability Theory and an Introduction to Mathematical Statistics
PREREQUISITE: ~~MTH 233~~
COREQUISITE: NONE
PRE OR COREQUISITE: NONE
CREDITS: 4
HOURS: 4
CATALOG DESCRIPTION: A calculus-based treatment of elementary probability theory, where the notion of sample space, events, and probability is introduced. The basic probability models are discussed. Notion of density and distribution function is introduced. Furthermore, conditioning, independence, and expectation are discussed. Basic concepts of statistics, sample, parameter estimation, confidence interval, hypothesis testing, central limit theorem are treated.
LIBERAL ARTS AND SCIENCES: NO
GENERAL EDUCATION/COURSE ATTRIBUTE: NONE
TO: (USE UNDERLINE TO TRACK CHANGES)
DEPARTMENT/PROGRAM: NO CHANGE
COURSE NO. AND TITLE: NO CHANGE
PREREQUISITE: <u>MTH 232</u>
COREQUISITE: NO CHANGE
PRE OR COREQUISITE: NO CHANGE
CREDITS: NO CHANGE
HOURS: 4
CATALOG DESCRIPTION: NO CHANGE
LIBERAL ARTS AND SCIENCES: NO CHANGE

GENERAL EDUCATION/COURSE ATTRIBUTE: NO CHANGE
EFFECTIVE SEMESTER: FALL 2026
ROLE IN CURRICULUM: Required for Mathematics, elective for CS-Math Majors, will be required for Computer Science majors.
RATIONALE: To satisfy accreditation requirements, the Computer Science Department intends to make MTH 311 a required course and requested the Mathematics Department to make the necessary changes to the MTH 311 syllabus to allow the prerequisite to be changed from MTH 233 to MTH 232. This avoids increasing the pre-major requirements for CS Majors, as MTH 232 is required, but MTH 233 is not. The Mathematics Department has approved this change, and we now describe the necessary modifications to the MTH 311 syllabus. The course description in the catalog does not need to be changed. The only material from MTH 233 used in MTH 311 is multivariable integration, and the syllabus has been changed to add an introduction to multivariable integration and reduce the amount of time spent on the final topic of methods of distribution functions. An updated syllabus has been included below.
SUBMISSION TO CURRICULUM OFFICE: 11/14/25
APPROVAL: MATHEMATICS 9/25/25, UCC 11/7/25, GEC 11/10/25
CONSULTATION: COMPUTER SCIENCE 9/1/25

E. NEW COURSE: MTH 348 Computational Linear Algebra
FROM:
DEPARTMENT/PROGRAM: Mathematics
CAREER: Undergraduate
ACADEMIC LEVEL: Undergraduate
SUBJECT AREA: Mathematics
PROPOSED COURSE NUMBER: MTH 348
COURSE TITLE: Computational Linear Algebra
PREREQUISITES: MTH 338
COREQUISITES: N/A
PRE/COREQUISITES: N/A
CREDITS: 4
CONTACT HOURS: 4
CATALOG DESCRIPTION: Builds on the material in MTH 338 Linear Algebra with an emphasis on effective computational approaches as a foundation for further study in data science, machine learning, and AI. Topics include matrix canonical forms, exponentials, tensor products, singular value decompositions, principal component analysis, and compressed sensing. Computational aspects include stability, speed, resource usage, effective factorization methods, stochastic gradient descent, and L1 methods for sparse matrices.
LIBERAL ARTS: Yes
COURSE ATTRIBUTE: N/A
GENERAL EDUCATION COMPONENT: N/A
EXPERIMENTAL: NO
REPEAT FOR CREDIT: NO
EFFECTIVE FALL SEMESTER: FALL 2026
ROLE IN CURRICULUM: This course will satisfy a 300-level elective requirement for B.S. majors in Mathematics, Computer Science, and the joint CS-Math degree. This course may be an elective or required course in a future Data Science and AI major.
RATIONALE: Data science, machine learning, and AI are increasingly important technologies with major impacts. Feedback from faculty in CS at the Graduate Center and colleagues in industry indicates that an effective understanding of the underlying algorithms and

implementation difficulties requires a deeper understanding of linear algebra than that provided by the current linear algebra course, MTH 338. This course aims to provide the additional foundational concepts needed, with an emphasis on effective computational methods. In particular, this course aims to prepare our majors for further study at the graduate level in data science and AI.

Several other universities run courses covering this material, usually called Computational Linear Algebra or Numerical Linear Algebra. The sample syllabus for this course uses the textbook from USF/Fast AI, with some additional background information not covered in our current MTH 338 course.

APPROVAL: MATHEMATICS DEPARTMENT 11/6/25. COMPUTER SCIENCE DEPARTMENT 10/10/25, UCC 11/7/25, GEC 11/10/25

CONSULTATION: N/A

5. DEPARTMENT OF MATHEMATICS AND DEPARTMENT OF COMPUTER SCIENCE
A. CHANGE IN EXISTING DEGREE: COMPUTER SCIENCE/MATHEMATICS BS & MHC COMPUTER SCIENCE/MATHEMATICS BS
FROM:

MTH 123 - College Algebra and Trigonometry
OR MTH 125 - College Algebra and Trigonometry with Intermediate Algebra Review
MTH 130 - Pre-Calculus Mathematics
MTH 229 - Calculus Computer Laboratory
MTH 230 - Calculus I with Pre-Calculus
OR MTH 231 - Analytic Geometry and Calculus I
MTH 232 - Calculus II
MTH 233 - Calculus III
MTH 228 - Discrete Mathematical Structures for Computer Science
OR CSC 228 - Discrete Mathematical Structures for Computer Science
CSC 126 - Introduction to Computer Science
CSC 211 - Intermediate Programming
CSC 220 - Computer Organization
CSC 221 - Networking and Security

A grade of C or above in CSC 126 will be required for admission to the Computer Science-Mathematics Baccalaureate program. Students will be allowed to repeat the course if necessary.

AND

A one-year science sequence chosen from the following list of courses:
Complete at least 1 of the following:
Astronomy
Complete ALL of the following Courses:
AST 120 - Space Science I
AST 160 - Space Science II
OR
Biology
Complete ALL of the following Courses:
BIO 170 - General Biology I
AND BIO 171 - General Biology I Laboratory
BIO 180 - General Biology II
AND BIO 181 - General Biology II Laboratory
OR
Chemistry
Complete ALL of the following Courses:

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CHM 141 - General Chemistry I
AND CHM 121 - General Chemistry I Laboratory
CHM 142 - General Chemistry II
AND CHM 127 - General Chemistry II Laboratory
OR
Physical and Historical Geology
Complete ALL of the following Courses:
GEO 115 - Fundamentals of Physical Geology
AND GEO 116 - Fundamentals of Physical Geology Laboratory
GEO 102 - Earth Systems History
AND GEO 103 - Earth Systems History Lab
OR
Physical Geology and Meteorology and Climatology
Complete ALL of the following Courses:
GEO 115 - Fundamentals of Physical Geology
AND GEO 116 - Fundamentals of Physical Geology Laboratory
ESC 110 - Meteorology and Climatology
AND ESC 111 - Meteorology and Climatology Laboratory
OR
Physics
Complete ALL of the following Courses:
PHY 120 - General Physics I
AND PHY 121 - General Physics I Laboratory
PHY 160 - General Physics II
AND PHY 161 - General Physics II Laboratory

Major Requirements - Computer Science Courses
Complete ALL of the following Courses:
CSC 326 - Data Structures
CSC 330 - Object-Oriented Software Design
CSC 346 - Digital Systems Design
CSC 347 - Digital Systems Laboratory
CSC 382 - Analysis of Algorithms
AND
Complete at least 2 courses in the following Course Sets:
400-Level Computer Science Courses

Major Requirements - Mathematics Courses
Complete ALL of the following Courses:
MTH 301 - Introduction to Mathematical Proof
MTH 311 - Probability Theory and an Introduction to Mathematical Statistics
MTH 335 - Numerical Analysis
MTH 338 - Linear Algebra
AND
Complete at least 2 of the following Courses:
MTH 330 - Applied Mathematical Analysis I
OR MTH 334 - Differential Equations
MTH 337 - Applied Combinatorics and Graph Theory
MTH 339 - Abstract Algebra I
MTH 341 - Advanced Calculus I
MTH 347 - Number Theory

MTH 349 - Cryptology
MTH 350 - Mathematical Logic
MTH 370 - Operations Research
MTH 410 - Mathematical Statistics I
TO:
MTH 123 - College Algebra and Trigonometry
OR MTH 125 - College Algebra and Trigonometry with Intermediate Algebra Review
MTH 130 - Pre-Calculus Mathematics
MTH 229 - Calculus Computer Laboratory
MTH 230 - Calculus I with Pre-Calculus
OR MTH 231 - Analytic Geometry and Calculus I
MTH 232 - Calculus II
MTH 233 - Calculus III
MTH 228 - Discrete Mathematical Structures for Computer Science
OR CSC 228 - Discrete Mathematical Structures for Computer Science
CSC 126 - Introduction to Computer Science
CSC 211 - Intermediate Programming
CSC 220 - Computer Organization
CSC 221 - Networking and Security
A grade of C or above in CSC 126 will be required for admission to the Computer Science-Mathematics Baccalaureate program. Students will be allowed to repeat the course if necessary.
AND
A one-year science sequence chosen from the following list of courses:
Complete at least 1 of the following:
Astronomy
Complete ALL of the following Courses:
AST 120 - Space Science I
AST 160 - Space Science II
OR
Biology
Complete ALL of the following Courses:
BIO 170 - General Biology I
AND BIO 171 - General Biology I Laboratory
BIO 180 - General Biology II
AND BIO 181 - General Biology II Laboratory
OR
Chemistry
Complete ALL of the following Courses:
CHM 141 - General Chemistry I
AND CHM 121 - General Chemistry I Laboratory
CHM 142 - General Chemistry II
AND CHM 127 - General Chemistry II Laboratory
OR
Physical and Historical Geology
Complete ALL of the following Courses:
GEO 115 - Fundamentals of Physical Geology
AND GEO 116 - Fundamentals of Physical Geology Laboratory
GEO 102 - Earth Systems History
AND GEO 103 - Earth Systems History Lab
OR

Physical Geology and Meteorology and Climatology
Complete ALL of the following Courses:
GEO 115 - Fundamentals of Physical Geology
AND GEO 116 - Fundamentals of Physical Geology Laboratory
ESC 110 - Meteorology and Climatology
AND ESC 111 - Meteorology and Climatology Laboratory
OR
Physics
Complete ALL of the following Courses:
PHY 120 - General Physics I
AND PHY 121 - General Physics I Laboratory
PHY 160 - General Physics II
AND PHY 161 - General Physics II Laboratory

Major Requirements - Computer Science Courses
Complete ALL of the following Courses:
CSC 326 - Data Structures
CSC 330 - Object-Oriented Software Design
CSC 346 - Digital Systems Design
CSC 347 - Digital Systems Laboratory
CSC 382 - Analysis of Algorithms
AND
Complete at least 2 courses in the following Course Sets:
400-Level Computer Science Courses

Major Requirements – Mathematics courses
Type: Completion requirement
Fulfill ALL of the following requirements:
Complete ALL of the following Courses:
MTH 301 Introduction to Mathematical Proof
MTH 311 Probability Theory and an Introduction to Mathematical Statistics
MTH 335 Numerical Analysis
MTH 338 Linear Algebra
AND
Complete at least 2 of the following Courses:
MTH 330 Applied Mathematical Analysis I OR MTH 334 Differential Equations
MTH 337 Applied Combinatorics and Graph Theory
MTH 339 Abstract Algebra I
MTH 341 Advanced Calculus I
MTH 347 Number Theory
MTH 349 Cryptology
MTH 350 Mathematical Logic
MTH 370 Operations Research
<u>MTH 3XX Computational Linear Algebra</u>
MTH 410 Mathematical Statistics I
EFFECTIVE FALL SEMESTER: 2026
RATIONALE: Add the new MTH 348 Computational Linear Algebra course to the list of options of the additional two Mathematics courses required in the Computer Science/Mathematics Major.
APPROVAL: COMPUTER SCIENCE 10/10/25, MATHEMATICS 11/6/25
CONSULTATION: N/A

6. DEPARTMENT OF ENGLISH
A. NEW COURSE: LING 204 INTRODUCTION TO SPEECH AND LANGUAGE PATHOLOGY
DEPARTMENT/PROGRAM: Department of English
CAREER: Undergraduate
ACADEMIC LEVEL: Regular
SUBJECT AREA: Linguistics
COURSE NUMBER: LING 204
COURSE TITLE: Introduction to Speech and Language Pathology
CATALOG DESCRIPTION: An introduction to the field of Speech and Language Pathology. The course offers students an overview of the profession, its scope of practice, and the scientific foundations of communication and swallowing disorders. Students will learn about the typical speech, language, and swallowing subsystems and the nature and characteristics of impairments affecting them. Additionally, students will explore how communication and swallowing disorders are assessed and treated, and how cultural and linguistic factors influence practice.
PREREQUISITES: ENG 151
CREDITS: 4 credits
CONTACT HOURS: 4 hours
LIBERAL ARTS: Yes
COURSE ATTRIBUTE: None
GENERAL EDUCATION COMPONENT: Textual, Aesthetic, and Linguistic Analysis (TALA)
SCHEDULING: Course will be offered alongside other introductory-level LING courses.
ENROLLMENT: 30
CAPACITY: 30
EQUIPMENT: None
ROLE IN CURRICULUM: This course counts as a major elective for English-Linguistics majors. It also satisfies the General Education learning objectives associated with the Textual, Aesthetic, and Linguistic Analysis (TALA) area.
RATIONALE:
1. This course will fill a dire need of our students. The vast majority of graduate programs in Speech and Language Pathology (SLP) (including those within CUNY) have completion of an Introduction to SLP course as a prerequisite for admission. Currently, CSI students who wish to pursue SLP at the graduate level must take this course at other institutions, often incurring additional costs, scheduling difficulties, and administrative burden.

2. The course will align CSI's offerings with those of other undergraduate institutions (including those within CUNY) in offering an introductory-level SLP/Communication Sciences and Disorders course.

3. The course will align with the College's mission to provide accessible preparation for high-demand careers. Demand for speech and language pathologists is projected to grow 15% in the next 10 years (much faster than the average for all occupations, .3-.4%) (Bureau of Labor Statistics, 2025).

4. This course satisfies the General Education learning objectives associated with the Textual, Aesthetic, and Linguistic Analysis (TALA).
SUBMISSION TO COMMITTEE CHAIR:
☐ *College-Wide Undergraduate Curriculum Committee*, *November 7, 2025*
☐ *Co-Chair*, *(Dean Sarolta Takacs)*, *October 16, 2025*

☐ Curriculum Office, *October 16, 2025*

APPROVAL:

☐ *Department of English*, *October 7, 2025*
☐ *College-Wide Undergraduate Curriculum Committee*, *November 7, 2025*
☐ General Education Committee 11/10/25

CONSULTATION: American Studies, Biology, Curriculum and Instruction, Educational Studies, History, Nursing, Physical Therapy, Psychology, Sociology & Anthropology, World Languages and Literatures, *October 15, 2025*
EFFECTIVE: FALL 2026

B. NEW COURSE: LING 202 THE LINGUISTIC LANDSCAPE OF THE USA

DEPARTMENT/PROGRAM: Department of English
CAREER: Undergraduate
ACADEMIC LEVEL: Regular
SUBJECT AREA: Linguistics
COURSE NUMBER: LING 202
COURSE TITLE: The Linguistic Landscape of the USA
CATALOG DESCRIPTION: This linguistics course explores the rich mosaic of language varieties and linguistic practices that shape the cultural and social landscape of the United States. Students will investigate how Indigenous, immigrant, heritage, and regional language varieties reflect histories of contact, migration, colonization, and identity. Topics include Indigenous language vitality and revitalization, colonial-era heritage languages, contemporary immigrant and diasporic languages, and the role of language in the education and medical sectors. Through readings, case studies involving actual speakers' accounts of language use and transmission, and interactive projects, the course examines how language reflects identity, culture, migration, and power across diverse American communities. By the end of the course, students will have gained both an appreciation for the United States' deep linguistic history and critical tools for analyzing and representing the country's multilingual landscape today.
PREREQUISITES: ENG 151
CREDITS: 4 credits
CONTACT HOURS: 4 hours
LIBERAL ARTS: Yes
COURSE ATTRIBUTE: None
GENERAL EDUCATION COMPONENT: This course, intended for a general education undergraduate audience, will have Textual, Aesthetic, and Linguistic Analysis and Social Scientific Analysis (Social Science) designations.
SCHEDULING: Course will be offered alongside other 200-level LING courses.
ENROLLMENT: 30
CAPACITY: 30
EQUIPMENT: None

ROLE IN CURRICULUM: This course counts as a major elective for English - Linguistics majors. It also satisfies the General Education learning objectives associated with the Textual, Aesthetic, and Linguistic Analysis (TALA) and Social Scientific Analysis areas.

RATIONALE:

1. This course examines the rich and layered linguistic landscape of the U.S., challenging the myth of English-only identity and highlighting the historical depth and social

complexity of Indigenous, heritage, immigrant, and regional varieties. Students will explore how languages reflect histories of migration, colonization, revitalization, and cultural contact while also examining how language use reflects identity, inequality, and power.

2. This course will be valuable to a broad undergraduate audience, as language use is central to questions of culture, identity, politics, and everyday life. Students in concentrations across the College will gain practical skills in analysis of scholarly sources, critical thinking, teamwork, and public communication, all while developing a deep understanding of the U.S. as an inherently multilingual nation.

3. This course satisfies the General Education learning objectives associated with the Textual, Aesthetic, and Linguistic Analysis and Communication (TALAC) and Social Scientific Analysis areas.

SUBMISSION TO COMMITTEE CHAIR:
☐ *College-Wide Undergraduate Curriculum Committee, November 7, 2025*
☐ *Co-Chair*, *(Dean Sarolta Takacs), October 16, 2025*
☐ Curriculum Office, *October 16, 2025*

APPROVAL:
☐ *Department of English*, *October 7, 2025*
☐ *College-Wide Undergraduate Curriculum Committee*, *November 7, 2025*
☐ *General Education Committee, November 10, 2025*
CONSULTATION: American Studies, Biology, Curriculum and Instruction, Educational Studies, History, Nursing, Physical Therapy, Psychology, Sociology & Anthropology, World Languages and Literatures, *October 15, 2025*
EFFECTIVE FALL SEMESTER: 2026

C. CHANGE IN EXISTING DEGREE: ENGLISH BA & MHC ENGLISH BA (ALL CONCENTRATIONS
FROM
REQUIREMENTS:
Foreign Language Requirement
Complete ANY of the following Courses:
ASL 213 - American Sign Language III
ARB 213 - Continuing Arabic I
CHN 213 - Continuing Mandarin Chinese I
FRN 213 - Continuing French I
ITL 213 - Continuing Italian I
LAT 213 - Continuing Latin I
SPN 213 - Continuing Spanish I (Closed to Native Speakers)
Literature Concentration
Required Courses (8 credits)
ENL 290 Introduction to Literary Studies
ENL 470 Literature Capstone
Literature (ENL) Electives (24 credits)
Include one from each of the following overlays:
At least 1 from pre-1800 list
At least 1 from power, identity, & difference list
At least 1 from translation and global list

English Electives (16 credits)
16 credits with ENL, EWR, or LING designation
OR
Writing Concentration
Required Courses (12 credits)
ENL 290 Introduction to Literary Studies
ENL 267 Workshop in Creative Writing
ENL 470 Literature Capstone
WRITING (EWR) Electives (20 credits)
20 credits with EWR designation
LITERATURE ELECTIVES (8 credits)
8 credits with ENL (literature) designation
ENGLISH ELECTIVES (8 credits)
8 credits with ENL, EWR, or LING designation
OR
Dramatic Literature Concentration
Required Courses (8 credits)
ENL 290 Introduction to Literary Studies
ENL 470 Literature Capstone
Earn at least 12 credits from the following:
ENL 361 - The Early Shakespeare
ENL 362 - The Later Shakespeare
ENL 354 - English Drama to 1800
ENL 355 - Modern European Drama
ENL 356 - American Drama
ENL 357 - World Drama to 1800
ENL 358 - World Drama since 1800
ENL 359 - Contemporary Drama
FRN 426 - Classical French Drama
OR DRA 426 - Classical French Drama
SPN 345 - Spanish Theater
OR DRA 345 - Spanish Theater
SPN 425 - The Golden Age of Spanish Drama
OR DRA 425 - Spanish Drama in the Golden Age
EWR 373 - Craft of Playwriting

Earn at least 8 credits from the following:
DRA 110 - Acting I
DRA 141 - Theater Production
DRA 142 - Theater Production Lab
DRA 210 - Acting II
DRA 213 - Movement for the Theatre
DRA 217 - Voice and Diction for Performance Communication
DRA 221 - Theatrical Production Workshop
DRA 230 - Set Design for the Theatre
DRA 272 - Performance Histories (Ancient to Early Modern)
DRA 321 - Directing
English Electives (20 credits)
Twenty credits with EWR or ENL or LING designation
OR
Linguistics Concentration

Required Courses (12 credits)
LING 301 - Introduction to Linguistics
LING 302 - Phonetics
LING 304 - Syntax I
Earn at least 20 credits from the following:
Linguistics Courses
Linguistics courses chosen from LING 201/LING 300-level or higher
~~**Remaining Courses (12 credits)**~~
~~Earn at least 12 credits~~
~~ENL, EWR, and LING courses from the 200-level or higher.~~
TOTAL CREDITS: 44-52
<u>**TO:**</u>
REQUIREMENTS:
Foreign Language Requirement: No change
Literature Concentration
Required Courses (8 credits)
ENL 290 Introduction to Literary Studies
ENL 470 Literature Capstone
Literature (ENL) Electives (24 credits)
Include one from each of the following overlays:
At least 1 from pre-1800 list
At least 1 from power, identity, & difference list
At least 1 from translation and global list
English Electives (16 credits)
16 credits with ENL, EWR, or LING designation
<u>Students may not take more than one LING course at the 200-level and one ENH course toward their major.</u>
OR
Writing Concentration
Required Courses (12 credits)
ENL 290 Introduction to Literary Studies
ENL 267 Workshop in Creative Writing
ENL 470 Literature Capstone
WRITING (EWR) Electives (20 credits)
20 credits with EWR designation
LITERATURE ELECTIVES (8 credits)
8 credits with ENL (literature) designation
ENGLISH ELECTIVES (8 credits)
8 credits with ENL, EWR, or LING designation
<u>Students may not take more than one LING course at the 200-level and one ENH course toward their major.</u>
OR
Dramatic Literature Concentration
Required Courses (8 credits)
ENL 290 Introduction to Literary Studies
ENL 470 Literature Capstone
Earn at least 12 credits from the following:
ENL 361 - The Early Shakespeare
ENL 362 - The Later Shakespeare
ENL 354 - English Drama to 1800
ENL 355 - Modern European Drama

ENL 356 - American Drama
ENL 357 - World Drama to 1800
ENL 358 - World Drama since 1800
ENL 359 - Contemporary Drama
FRN 426 - Classical French Drama
OR DRA 426 - Classical French Drama
SPN 345 - Spanish Theater
OR DRA 345 - Spanish Theater
SPN 425 - The Golden Age of Spanish Drama
OR DRA 425 - Spanish Drama in the Golden Age
EWR 373 - Craft of Playwriting
Earn at least 8 credits from the following:
DRA 110 - Acting I
DRA 141 - Theater Production
DRA 142 - Theater Production Lab
DRA 210 - Acting II
DRA 213 - Movement for the Theatre
DRA 217 - Voice and Diction for Performance Communication
DRA 221 - Theatrical Production Workshop
DRA 230 - Set Design for the Theatre
DRA 272 - Performance Histories (Ancient to Early Modern)
DRA 321 - Directing
English Electives (20 credits)
Twenty credits with EWR or ENL or LING designation
<u>Students may not take more than one LING course at the 200-level and one ENH course toward their major.</u>
OR
Linguistics Concentration
Required Courses (12 credits)
LING 301 - Introduction to Linguistics
LING 302 - Phonetics
LING 304 - Syntax I
Earn at least 20 credits from the following:
Linguistics Courses
Linguistics courses chosen from LING 201/LING 300-level or higher
Remaining Courses (12 credits)
<u>These twelve credits may be Linguistics (LING), Literature (ENL), Dramatic Literature (ENL), or Writing (EWR).*</u>
<u>*Students may not take more than one LING course at the 200-level toward their major.</u>
TOTAL CREDITS: No Change
EFFECTIVE FALL SEMESTER: 2026
SUBMISSION TO THE COMMITTEE CHAIR: 10/27/25
APPROVAL: English Department 10/25, UCC 11/7/25
CONSULTATION: N/A

7. DEPARTMENT OF PHYSICS AND ASTRONOMY
A. CHANGE IN EXISTING COURSE: PHY 315 ADVANCED PHYSICS LABORATORY
FROM: (USE STRIKETHROUGH FOR CHANGES)
DEPARTMENT/PROGRAM: PHYSICS & ASTRONOMY
COURSE NO. AND TITLE: PHY 315 ADVANCED PHYSICS LABORATORY
PREREQUISITE: ~~PHY 309~~ OR ENS 249

COREQUISITE: N/A
PRE OR COREQUISITE: N/A
CREDITS: 2
HOURS: 4
CATALOG DESCRIPTION: Experiments in atomic absorption spectroscopy, fluids, mechanics, microwaves, optics, semiconductors, statistical physics, and turbulence.
LIBERAL ARTS AND SCIENCES: YES
GENERAL EDUCATION/COURSE ATTRIBUTE: N/A
TO: (USE UNDERLINE TO TRACK CHANGES)
DEPARTMENT/PROGRAM: NO CHANGE
COURSE NO. AND TITLE:
PREREQUISITE: PHY 240 OR ENS 249
COREQUISITE: NO CHANGE
PRE OR COREQUISITE: NO CHANGE
CREDITS: NO CHANGE
HOURS: NO CHANGE
CATALOG DESCRIPTION: Experiments in electrical measurements and characterization of semiconductors; Optical measurements and spectroscopic and interferometric characterization of atoms, gases, and solids.
LIBERAL ARTS AND SCIENCES: NO CHANGE
GENERAL EDUCATION/COURSE ATTRIBUTE: NO CHANGE
EFFECTIVE FALL SEMESTER: 2026
ROLE IN CURRICULUM: This is an advanced lab course designed to further reinforce topics of PHY 240.
RATIONALE: PHY 309 is no longer offered and was not sufficient to prepare students for PHY 315. PHY2 40 is required as a background for the experiments in PHY315.
SUBMISSION TO CURRICULUM OFFICE: 10/23/2025
APPROVAL: PHYSICS & ASTRONOMY 10/29/25, UCC 11/7/25
CONSULTATION: ENGINEERING AND ENVIRONMENTAL SCIENCES (11/3/2025)

B. CHANGE IN EXISTING MINOR: PHYSICS
FROM:
DEPARTMENT/PROGRAM: PHYSICS & ASTRONOMY
TITLE OF MINOR: PHYSICS
REQUIREMENTS:
Complete ALL of the following Courses:
PHY 120 - General Physics I
AND PHY 121 - General Physics I Laboratory
PHY 160 - General Physics II
AND PHY 161 - General Physics II Laboratory
MTH 330 - Applied Mathematical Analysis I
OR MTH 334 - Differential Equations
PHY 240 - Waves and Modern Physics
~~PHY 309 - Basic Measurements Laboratory~~
PHY 310 - Thermodynamics and Statistical Physics
OR CHM 330 - Physical Chemistry: Equilibria
PHY 356 - Theory of Electromagnetic Radiation
PHY 442 - Quantum Mechanics
MTH 229 - Calculus Computer Laboratory
MTH 230 - Calculus I with Pre-Calculus
OR MTH 231 – Analytic Geometry & Calculus I

MTH 232 - Calculus II
MTH 233 - Calculus III
Complete at least two 300- or 400-level Physics Courses
Complete at least two of the following courses:
PHY 312 - Nuclear Physics
PHY 316 - Dynamics
PHY 360 - Relativity
PHY 425 - Astrophysics
PHY 463 - Introduction to Nanotechnology
PHY 485 - Properties of Materials
At least 12 credits of the requirements listed above may not be used to satisfy a requirement for another major or minor.
Upper-level courses in Mathematics, Chemistry, and Biology may be substituted for electives, subject to the approval of an academic advisor.
TOTAL CREDITS: 46
TO:
DEPARTMENT/PROGRAM: PHYSICS & ASTRONOMY
TITLE OF MINOR: PHYSICS
REQUIREMENTS:
Complete ALL of the following Courses:
PHY 120 - General Physics I
AND PHY 121 - General Physics I Laboratory
PHY 160 - General Physics II
AND PHY 161 - General Physics II Laboratory
MTH 330 - Applied Mathematical Analysis I
OR MTH 334 - Differential Equations
PHY 240 - Waves and Modern Physics
PHY 315 – Advanced Physics Laboratory
PHY 310 - Thermodynamics and Statistical Physics
OR CHM 330 - Physical Chemistry: Equilibria
PHY 356 - Theory of Electromagnetic Radiation
PHY 442 - Quantum Mechanics
MTH 229 - Calculus Computer Laboratory
MTH 230 - Calculus I with Pre-Calculus
OR MTH 231 – Analytic Geometry & Calculus I
MTH 232 - Calculus II
MTH 233 - Calculus III
Complete at least two 300- or 400-level Physics Courses
Complete at least two of the following courses:
PHY 312 - Nuclear Physics
PHY 316 - Dynamics
PHY 360 - Relativity
PHY 425 - Astrophysics
PHY 463 - Introduction to Nanotechnology
PHY 485 - Properties of Materials
At least 12 credits of the requirements listed above may not be used to satisfy a requirement for another major or minor.
Upper-level courses in Mathematics, Chemistry, and Biology may be substituted for electives, subject to the approval of an academic advisor.
TOTAL CREDITS: NO CHANGE
EFFECTIVE FALL SEMESTER: 2026

RATIONALE: PHY309 is no longer offered and PHY315 is replacing it. This course will also help prepare students for PHY 442 and PHY 485.
APPROVAL: PHYSICS & ASTRONOMY 10/29/2025, UCC 11/7/25
CONSULTATION: N/A

8. DEPARTMENTS OF PHYSICS AND ASTRONOMY & DEPARTMENT OF EDUCATION STUDIES & DEPARTMENT OF CURRICULUM & INSTRUCTION
A. CHANGE IN EXISTING DEGREE: PHYSICS 7-12 BS AND MHC PHYSICS 7-12 BS
FROM:
DEPARTMENT/PROGRAM: PHYSICS & ASTRONOMY AND SCHOOL OF EDUCATION
TITLE OF DEGREE: PHYSICS 7-12 BS
REQUIREMENTS:
REQUIRED CORE:
ENG 111 - Introduction to College Writing
OR ENG 111P - Introduction to College Writing Plus
ENG 151 - College Writing
Required Core Math and Quantitative Reasoning
Complete at least 1 of the following Courses:
MTH 230 - Calculus I with Pre-Calculus
MTH 231 - Analytic Geometry and Calculus I
MTH 232 - Calculus II
MTH 233 - Calculus III
Life and Physical Sciences:
PHY 120 - General Physics I
FLEXIBLE CORE
World Cultures and Global Issues
U.S. Experience in Its Diversity
Creative Expression
Individual and Society: PSY 100 – Psychology
Scientific World:
PHY 160 - General Physics II P
PHY 240 - Waves and Modern Physics
COLLEGE OPTION
EDP 220 - Special Educational Needs of People with Disabilities
PHY 121 - General Physics I Laboratory
PHY 161 - General Physics II Laboratory
MTH 232 - Calculus II
This program has a waiver to specify particular courses students must take in the areas of the General Education Requirements (Mathematical and Quantitative Reasoning, Life and Physical Sciences, Scientific World and College Option). If students take different courses in these areas, they will be certified as having completed the requirements, but it may not be possible for them to finish their degree program within the regular number of credits.
Major Requirements
Fulfill ALL of the following requirements:
Complete ALL of the following Courses:
BIO 170 - General Biology I
BIO 171 - General Biology I Laboratory
CHM 141 - General Chemistry I
CHM 121 - General Chemistry I Laboratory
CHM 142 - General Chemistry II
CSC 126 - Introduction to Computer Science

CHM 127 - General Chemistry II Laboratory
MTH 229 - Calculus Computer Laboratory
MTH 230 - Calculus I with Pre-Calculus
OR MTH 231 - Analytic Geometry and Calculus I
MTH 232 - Calculus II
MTH 233 - Calculus III
MTH 311 - Probability Theory and an Introduction to Mathematical Statistics
MTH 330 - Applied Mathematical Analysis I
PHY 120 - General Physics I
PHY 121 - General Physics I Laboratory
PHY 160 - General Physics II
PHY 161 - General Physics II Laboratory
PHY 240 - Waves and Modern Physics
~~PHY 309 - Basic Measurements Laboratory~~
PHY 310 - Thermodynamics and Statistical Physics
PHY 316 - Dynamics
PHY 356 - Theory of Electromagnetic Radiation
PHY 381 - History of Modern Physics
PHY 425 - Astrophysics
PHY 442 - Quantum Mechanics
PHY 485 - Properties of Materials
Education Sequence
Complete ALL of the following Courses:
EDS 201 - Social Foundations of Secondary Education
EDS 202 - Psychological Foundations of Secondary Education
EDS 304 - The Pedagogy of Secondary School in Science
EDS 318 - The Secondary School Curriculum in Science
EDS 400 - Student Teaching in Secondary Education
EDS 401 - Reflection and Analysis in Student Teaching in Secondary Education
TOTAL CREDITS: 99-102
TO:
DEPARTMENT/PROGRAM: PHYSICS & ASTRONOMY AND SCHOOL OF EDUCATION
TITLE OF DEGREE: PHYSICS 7-12 BS
REQUIREMENTS:
REQUIRED CORE: No Change
FLEXIBLE CORE: No Change
COLLEGE OPTION: No Change
Major Requirements
Type: Completion requirement
Fulfill ALL of the following requirements:
Complete ALL of the following Courses:
BIO 170 - General Biology I
BIO 171 - General Biology I Laboratory
CHM 141 - General Chemistry I
CHM 121 - General Chemistry I Laboratory
CHM 142 - General Chemistry II
CSC 126 - Introduction to Computer Science
CHM 127 - General Chemistry II Laboratory
MTH 229 - Calculus Computer Laboratory
MTH 230 - Calculus I with Pre-Calculus
OR MTH 231 - Analytic Geometry and Calculus I

MTH 232 - Calculus II
MTH 233 - Calculus III
MTH 311 - Probability Theory and an Introduction to Mathematical Statistics
MTH 330 - Applied Mathematical Analysis I
PHY 120 - General Physics I
PHY 121 - General Physics I Laboratory
PHY 160 - General Physics II
PHY 161 - General Physics II Laboratory
PHY 240 - Waves and Modern Physics
<u>PHY 315 – Advanced Physics Laboratory</u>
PHY 310 - Thermodynamics and Statistical Physics
PHY 316 - Dynamics
PHY 356 - Theory of Electromagnetic Radiation
PHY 381 - History of Modern Physics
PHY 425 - Astrophysics
PHY 442 - Quantum Mechanics
PHY 485 - Properties of Materials
Education Sequence:
Complete ALL of the following Courses:
EDS 201 - Social Foundations of Secondary Education
EDS 202 - Psychological Foundations of Secondary Education
EDS 304 - The Pedagogy of Secondary School in Science
EDS 318 - The Secondary School Curriculum in Science
EDS 400 - Student Teaching in Secondary Education
EDS 401 - Reflection and Analysis in Student Teaching in Secondary Education
TOTAL CREDITS: NO CHANGE
EFFECTIVE FALL SEMESTER: 2026
RATIONALE: PHY 309 is not offered anymore, and it is replaced by PHY315 (2 credits, 4 hours), which, on one hand, is based on the introductory laboratory courses PHY121 and PHY161 (complementing PHY120 and PHY160, respectively), and, on the other, it reinforces the modern physics themes of PHY240. The experiments in optics and semiconductors use advanced experimental equipment. This course has been developed and taught by two experienced experimentalists---Profs. Anshel Gorokhovsky and Alexander Zaitsev. In addition to the actual experiments, it includes a substantial lecture component, further advancing understanding of the present-day topics in physics.
APPROVAL: PHYSICS & ASTRONOMY (10/29/2025), DEPARTMENT OF EDUCATIONAL STUDIES (11/6), DEPARTMENT OF CURRICULUM & INSTRUCTION (11/6), UCC 11/7/25.
CONSULTATION: N/A

9. DEPARTMENT OF COMPUTER SCIENCE
A. CHANGE IN EXISTING COURSE: CSC 211 NETWORKS & SECURITY
FROM:
DEPARTMENT/PROGRAM: Computer Science
COURSE NO. AND TITLE: CSC 221 Networking and Security
PREREQUISITE: CSC 126 with a grade of C or better
COREQUISITE:
PRE OR COREQUISITE:
CREDITS: 3
HOURS: 3
CATALOG DESCRIPTION: An introduction to computer networking and communication basics, incorporating principles and practice in secure computing. Specific topics include

data communication basics, network structures, IP, TCP, application protocols, confidentiality, integrity, and availability principles, software security, network security, and defense mechanisms.
LIBERAL ARTS AND SCIENCES: Yes
GENERAL EDUCATION/COURSE ATTRIBUTE: N/A
EFFECTIVE SEMESTER:
TO: (USE UNDERLINE TO TRACK CHANGES)
DEPARTMENT/PROGRAM: Computer Science
COURSE NO. AND TITLE: CSC 221 Networking and Security
PREREQUISITE: CSC 126 or CSC 140 with a grade of C or better
COREQUISITE: N/A
PRE OR COREQUISITE: N/A
CREDITS: No Change
HOURS: No Change
CATALOG DESCRIPTION: No Change
LIBERAL ARTS AND SCIENCES: No Change
GENERAL EDUCATION/COURSE ATTRIBUTE: N/A
EFFECTIVE SEMESTER: Fall 2026
ROLE IN CURRICULUM: Required course for the CS degree and a required elective in the ISI IT Solutions concentration.
RATIONALE: ISI students take CSC140 and this change allows them to register for this course as a required elective without chairperson approval.
SUBMISSION TO CURRICULUM OFFICE: 10/21/2025
APPROVAL: Computer Science 9/4/2025, UCC 11/7/25
CONSULTATION: ISI Louis Petingi and Paolo Cappellari 10/21/2025

B. NEW MINOR: COMPUTER TECHNOLOGY
DEPARTMENT/PROGRAM: Computer Science
TITLE OF DEGREE/MAJOR/MINOR/CERTIFICATE: Minor in Computer Technology
REQUIREMENTS:
MTH 123 College Algebra and Trigonometry
OR MTH 125 - College Algebra and Trigonometry with Intermediate Algebra Review
CSC 126 Introduction to Computer Science
CSC 211 Intermediate Programming
CSC 326 Data Structures
Two 200-level CSC elective classes chosen from the following list
CSC 223 - Cybersecurity Fundamentals
CSC 225 - Introduction to Web Development and the Internet
CSC 226 - Web Database Applications
CSC 227 - Introductory Computer Game Programming
CSC 229 - Introduction to High Performance Computing
CSC 235 - Robotic Explorations
CSC 237 - Introduction to Computational Linguistics
CSC 245 - Introduction to Data Science
CSC 250 - Serious Game Development
TOTAL CREDITS REQUIRED: 23
EFFECTIVE FALL SEMESTER: 2026
RATIONALE: The minor in CS has advanced courses that make it impossible for students who are not in very related degrees. Using feedback from our advisors, we realized that a more focused minor is needed.
SUBMISSION TO CURRICULUM OFFICE 10/21/2025

APPROVAL: Computer Science 10/219/2025, UCC 11/7/25
CONSULTATION: N/A

C. CHANGE IN EXISTING DEGREE/MAJOR/MINOR/CERTIFICATE FROM (USE STRIKETHROUGH FOR CHANGES):
DEPARTMENT/PROGRAM: Computer Science
TITLE OF DEGREE/MAJOR/MINOR/CERTIFICATE: BS in Computer Science
REQUIREMENTS:
19-20 credits required for the Major also satisfy general education requirements.
REQUIRED CORE
19-20 credits required for the Major also satisfy general education requirements.

ENGLISH COMPOSITION
ENG 111 Introduction to College Writing
ENG 151 College Writing
MATHEMATICAL & QUANTITATIVE REASONING:
MTH 231 Analytic Geometry and Calculus I

LIFE AND PHYSICAL SCIENCES:
AST 120 Space Science I
OR
BIO 170 General Biology I
OR
CHM 141 General Chemistry I
OR
PHY 120 General Physics I
OR
GEO 115 Fundamentals of Physical Geology

FLEXIBLE CORE
US EXPERIENCE IN ITS DIVERSITY
INDIVIDUAL AND SOCIETY
WORLD CULTURES AND GLOBAL ISSUES
CREATIVE EXPRESSION
SCIENTIFIC WORLD
  • CSC126 Introduction to Computer Science
SIXTH FLEXIBLE CORE

COLLEGE OPTION:
At least 4 credits from the following:
SOCIAL SCIENTIFIC ANALYSIS
TEXTUAL AESTHETIC AND LINGUISTICS ANALYSIS
Complete at least one of the following Courses:
BIO 171 General Biology I Laboratory
CHM 121 General Chemistry I Laboratory
GEO 116 Fundamentals of Physical Geology Laboratory
PHY 121 General Physics I Laboratory
MTH 229 Calculus Computer Laboratory
Complete at least 1 of the following:
AST 120 Space Science I
AST 160 Space Science II

BIO 170 General Biology I
AND BIO 171 General Biology I Laboratory
BIO 180 General Biology II
AND BIO 181 General Biology II Laboratory
CHM 141 General Chemistry I
AND CHM 142 General Chemistry II
CHM 142 General Chemistry II
AND CHM 127 General Chemistry II Laboratory
GEO 115 Fundamentals of Physical Geology
AND GEO 116 Fundamentals of Physical Geology Laboratory
ESC 110 Meteorology and Climatology
AND ESC 111 Meteorology and Climatology Laboratory
GEO 102 Earth Systems History
AND GEO 103 Earth Systems History Lab
PHY 120 General Physics I
AND PHY 121 General Physics I Laboratory
PHY 160 General Physics II
AND PHY 161 General Physics II Laboratory
Complete ALL of the following Courses:
MTH 232 Calculus II

Major Requirements: 86 credits

CSC 126 Introduction to Computer Science
A grade of C or higher is required for admission to the Computer Science Baccalaureate
program. Students will be allowed to repeat the course, if necessary.

MTH 123 College Algebra & Trigonometry
OR
MTH 125 College Algebra and Trigonometry with Intermediate Algebra Review
MTH 130 Pre-Calculus
MTH 229 Calculus Computer Laboratory
MTH 229 Calculus Computer Laboratory
MTH 231 Analytic Geometry and Calculus I
MTH 232 Analytic Geometry and Calculus II

CSC/MTH 228 Discrete Mathematic Structures for Computer Science
CSC 211 Intermediate Programming
CSC 220 Computer Organization
CSC 221 Networking and Security
CSC 326 Data Structures
CSC 330 Object-Oriented Software Design
CSC 332 Operating Systems I
CSC 305 Operating Systems Laboratory
CSC 315 Introduction to Databases
CSC 346 Digital Systems Design
CSC 347 Digital Systems Design Laboratory
CSC 382 Analysis of Algorithms
CSC 430 Software Engineering
CSC 446 Computer Architecture
CSC 490 Seminar in Computer Science

And

~~Two courses in Mathematics having MTH 232 or higher as a prerequisite (MTH 306 may not be used to fulfill this requirement).~~

Twelve to Fourteen credits from the following, at least eight credits must be taken in computer science courses. Only two 200-level courses may be included in these credits.
CSC 223 Cybersecurity Fundamentals
CSC 225 Introduction to Web Development and the Internet
CSC 226 Web Database Applications
CSC 227 Introductory Computer Game Programming
CSC 229 Introduction to High Performance Computing
CSC 235 Robotic Explorations
CSC 245 Introduction to Data Science
CSC 250 Serious Game Development
CSC 412 Machine Learning and Knowledge Discovery
CSC 420 Concepts of Programming Languages
CSC 421 Internet Data Communications and Security
CSC 424 Database Management Systems
CSC 425 Shared Memory Parallel Computing
CSC 426 Applied Cryptography
CSC 427 Advanced Computer Game Programming
CSC 429 Advanced High Performing Computing
CSC 432 Operating Systems II
CSC 434 Compiler Construction
CSC 435 Advanced Data Communications
CSC 436 Modern Web Development
CSC 438 Mobile Application Development
CSC 462/ENS 362 Microcontrollers
CSC 470 Introductory Computer Graphics
CSC 475 Image Processing in Computer Science
CSC 480 Artificial Intelligence
CSC 482 Discrete Simulation
CSC 484 Theory of Computation
In addition to the above list students may also choose an additional four-credit mathematics (MTH) course, having MTH 232 or higher as a prerequisite (except MTH 306) to satisfy this requirement.

Two science courses chosen from the list of courses below, or courses having those below as a prerequisite:
AST 120 Space Science I
AST 160 Space Science II
BIO 170 General Biology I
BIO 171 General Biology I Laboratory
BIO 180 General Biology II
BIO 181 General Biology II Laboratory
CHM 141 General Chemistry I
CHM 121 General Chemistry I Laboratory
CHM 142 General Chemistry II
CHM 127 General Chemistry II Laboratory
GEO 102 Earth Systems History
GEO 103 Earth Systems History Lab

GEO 115 Fundamentals of Physical Geology
GEO 116 Fundamentals of Physical Geology Laboratory
ESC 110 Meteorology and Climatology
ESC 111 Meteorology and Climatology Laboratory
PHY 120 General Physics I
PHY 121 General Physics I Laboratory
PHY 160 General Physics II
PHY 161 General Physics II Laboratory
A one-year of high school chemistry is required prior to entry into CHM 141/121. If you have not completed one-year of high school chemistry you will be required to complete CHM 100 and CHM 101 prior to registering for CHM 141/121.
A grade of C or above is required in all CSC courses that are prerequisites for courses in the major requirements. Students will be allowed to repeat courses, if necessary.

Students planning to pursue a higher degree in Computer Science are recommended to take MTH 233.

TOTAL NUMBER OF CREDITS: 124

TO (USE <u>UNDERLINE FOR CHANGES</u>):
DEPARTMENT/PROGRAM: Computer Science
TITLE OF DEGREE/MAJOR/MINOR/CERTIFICATE: BS in Computer Science
REQUIREMENTS:
REQUIRED CORE: No Change
FLEXIBLE CORE: No Change
COLLEGE OPTION: No Change

Major Requirements: 86 credits
CSC 126 Introduction to Computer Science
A grade of C or higher is required for admission to the Computer Science Baccalaureate program. Students will be allowed to repeat the course if necessary.

MTH 123 College Algebra & Trigonometry
OR
MTH 125 College Algebra and Trigonometry with Intermediate Algebra Review
MTH 130 Pre-Calculus
MTH 229 Calculus Computer Laboratory
MTH 229 Calculus Computer Laboratory
MTH 231 Analytic Geometry and Calculus I
MTH 232 Analytic Geometry and Calculus II
CSC/MTH 228 Discrete Mathematical Structures for Computer Science
<u>MTH 311 Probability Theory and an Introduction to Mathematical Statistics</u>
CSC 211 Intermediate Programming
CSC 220 Computer Organization
CSC 221 Networking and Security
CSC 326 Data Structures
CSC 330 Object-Oriented Software Design
CSC 332 Operating Systems I
CSC 305 Operating Systems Laboratory
CSC 315 Introduction to Databases
CSC 346 Digital Systems Design

CSC 347 Digital Systems Design Laboratory
CSC 382 Analysis of Algorithms
CSC 430 Software Engineering
CSC 446 Computer Architecture
CSC 490 Seminar in Computer Science
And
<u>A course in Mathematics having MTH 232 or higher as a prerequisite (MTH 306 may not be used to fulfill this requirement).</u>

Twelve to fourteen credits from the following, at least eight credits must be taken in computer science courses. Only two 200-level courses may be included in these credits.
CSC 223 Cybersecurity Fundamentals
CSC 225 Introduction to Web Development and the Internet
CSC 226 Web Database Applications
CSC 227 Introductory Computer Game Programming
CSC 229 Introduction to High Performance Computing
CSC 235 Robotic Explorations
CSC 245 Introduction to Data Science
CSC 250 Serious Game Development
CSC 412 Machine Learning and Knowledge Discovery
CSC 420 Concepts of Programming Languages
CSC 421 Internet Data Communications and Security
CSC 424 Database Management Systems
CSC 425 Shared Memory Parallel Computing
CSC 426 Applied Cryptography
CSC 427 Advanced Computer Game Programming
CSC 429 Advanced High Performing Computing
CSC 432 Operating Systems II
CSC 434 Compiler Construction
CSC 435 Advanced Data Communications
CSC 436 Modern Web Development
CSC 438 Mobile Application Development
CSC 462/ENS 362 Microcontrollers
CSC 470 Introductory Computer Graphics
CSC 475 Image Processing in Computer Science
CSC 480 Artificial Intelligence
CSC 482 Discrete Simulation
CSC 484 Theory of Computation
In addition to the above list students may also choose an additional four-credit mathematics (MTH) course, having MTH 232 or higher as a prerequisite (except MTH 306) to satisfy this requirement.

Two science courses chosen from the list of courses below, or courses having those below as a prerequisite:
AST 120 Space Science I
AST 160 Space Science II
BIO 170 General Biology I
BIO 171 General Biology I Laboratory
BIO 180 General Biology II
BIO 181 General Biology II Laboratory
CHM 141 General Chemistry I

CHM 121 General Chemistry I Laboratory
CHM 142 General Chemistry II
CHM 127 General Chemistry II Laboratory
GEO 102 Earth Systems History
GEO 103 Earth Systems History Lab
GEO 115 Fundamentals of Physical Geology
GEO 116 Fundamentals of Physical Geology Laboratory
ESC 110 Meteorology and Climatology
ESC 111 Meteorology and Climatology Laboratory
PHY 120 General Physics I
PHY 121 General Physics I Laboratory
PHY 160 General Physics II
PHY 161 General Physics II Laboratory

A one-year of high school chemistry is required prior to entry into CHM 141/121. If you have not completed one-year of high school chemistry, you will be required to complete CHM 100 and CHM 101 prior to registering for CHM 141/121.

A grade of C or above is required in all CSC courses that are prerequisites for courses in the major requirements. Students will be allowed to repeat courses if necessary.

Students planning to pursue a higher degree in Computer Science are recommended to take MTH 233.

TOTAL NUMBER OF CREDITS: 124

EFFECTIVE FALL SEMESTER: 2026

RATIONALE: ABET accreditation requires statistics as part of the mathematics requirement.

SUBMISSION TO CURRICULUM OFFICE:10/16/2025

APPROVAL: Computer Science 10/9/2025, UCC 11/7/25

CONSULTATION: Mathematics, Carlo Lancellotti, 10/9/2025