

# DIGITAL TECHNOLOGIES AND EMERGING MEDIA MAJOR

The digital technologies and emerging media (DTEM) major takes a critical approach to internet and participatory technologies. It draws from a broad tradition of communication and media studies research; social science disciplines including anthropology, psychology, sociology, and political science; and the humanities and fine arts.

The major is designed to encourage greater understanding, critical thinking, and analysis of emerging technologies such as the web, social media, mobile apps, video games, wearables, and the like, while also offering a number of production and writing classes. Students wishing to pursue engineering or digital production should augment the major with classes in computer science, visual arts, journalism, and new media and digital design.

*Note: Information about the Gabelli concentration in Digital Media and Technology is listed separately.*

## Learning Outcomes

Upon graduation from the digital technology and emerging media major or minor, students will have achieved the following curricular goals:

1. Develop a critically-informed understanding of the key characteristics of digital technologies and emerging media, their affordances, constraints, histories, and infrastructures.
2. Learn to analyze digital media as not only tools, but a set of industries and institutions, and a site of political and cultural contestation, creative practice, and professional production.
3. Gain the skills to plan, develop and execute appropriate methodologies for researching digital media from a variety of perspectives.
4. Be conversant with the ethical, regulatory, political, and economic issues raised by the emergence and evolution of digital media and communication systems - especially as they relate to matters of social equity and equality, right, privacy and surveillance.
5. Demonstrate an understanding of the practice of digital technology design, and develop a critical understanding of their processes of invention, creation, deployment and use.

## CIP Code

09.0702 - Digital Communication and Media/Multimedia.

You can use the CIP code to learn more about career paths associated with this field of study and, for international students, possible post-graduation visa extensions. Learn more about CIP codes and other information resources.

## Requirements

The digital technologies and emerging media (DTEM) major requires ten courses (nine for students admitted to Fordham prior to Fall 2024).

## For students admitted to Fordham in Fall 2024 or beyond:

Course	Title	Credits
<b>Required Courses</b>		
COMM 1000	Fundamentals of Communication and Media Studies <sup>1</sup>	3
DTEM 1401	Introduction to Digital Technologies and Emerging Media <sup>2</sup>	4
DTEM 1402	Digital Cultures <sup>2</sup>	4
One DTEM methods course		4
<b>Distribution Requirement</b>		
Select two courses drawn from either or both of these categories: <sup>3</sup>		8
Digital, Equity, Ethics, and Power/Values (DTEV attribute)		
Digital Governance, Policy, and Law (DTPL attribute)		
<b>Electives</b>		
Four DTEM electives <sup>4</sup>		16

<sup>1</sup> COMM 1010 Introduction to Communication and Media Studies may be used if taken before spring 2017.

<sup>2</sup> DTEM 1401 is a prerequisite for DTEM 1402.

<sup>3</sup> See below for the lists of courses included in each category.

<sup>4</sup> Any course with the DTEM subject code or the DTEM attribute code may fulfill this requirement. Up to two courses may be taken outside the Communication and Media Studies department to fulfill major requirements.

## For students admitted to Fordham prior to Fall 2024:

Course	Title	Credits
COMM 1000	Fundamentals of Communication and Media Studies <sup>1</sup>	3
DTEM 1401	Introduction to Digital Technologies and Emerging Media <sup>2</sup>	4
DTEM 1402	Digital Cultures <sup>2</sup>	4
One DTEM methods course		4
One ethics, law, and policy course <sup>3</sup>		4
Four DTEM electives <sup>4</sup>		16

<sup>1</sup> COMM 1010 Introduction to Communication and Media Studies may be used if taken before spring 2017.

<sup>2</sup> DTEM 1401 is a prerequisite for DTEM 1402.

<sup>3</sup> See list of ELP courses under Ethics, Law, and Policy Course Requirement. Courses that have the CELP attribute typically explore the legal and regulatory frameworks within which media industries operate, and examine the ethical and moral questions that shape media production.

<sup>4</sup> Any course with the DTEM subject code or the DTEM attribute code may fulfill this requirement. Up to two courses may be taken outside the Communication and Media Studies department to fulfill major requirements.

## DTEM Methods courses

Generally, DTEM methods courses are numbered between DTEM 2410 to 2419, in addition to other courses as listed below.

*Courses in this group have the DTMM attribute.*

A course covering social-science and/or humanities-based research methods is required for all DTEM majors. These courses can cover either qualitative or quantitative approaches. They teach students about the process of research design (developing questions and designing the appropriate process to answer them rigorously), and methods to collect and analyze data, digital texts, and or platforms and their role in society.

Course	Title	Credits
COMC 1101	Communications and Culture: History, Theory, and Methods	4
DTEM 2411	Digital Research Methods	4
DTEM 2412	Digital Ethnography	4
DTEM 2413	Participatory Methods	4
DTEM 2414	Media Ecology	4
DTEM 2417	Data Visualization	4
NMDD 3880	Designing Smart Cities for Social Justice	4

## Digital, Equity, Ethics, and Power/Values courses

*Courses in this group have the DTEV attribute.*

These courses focus on issues of ethics, justice, and values as they are built into digital technologies and the industries that develop and maintain them. Some courses focus on the intersection of social justice and technology.

Course	Title	Credits
CISC 4650	Cyberspace: Issues and Ethics	4
COMC 3240	Photography, Identity, Power	4
COMC 4360	Communication Ethics and the Public Sphere	4
COMC 4370	Ethical Controversies in 21st Century Media	4
DTEM 3444	Nerds, Geeks, and Bros.	4
DTEM 3447	Race, Gender, and Digital Media	4
DTEM 3463	Civic Media	4
DTEM 3500	Resistance and Global Activism	4
DTEM 4430	Digital Media Ethics	4
DTEM 4470	Values in Design	4
DTEM 4480	Digital Media and Public Responsibility	4
NMDD 3450	User Experience Design: Design for Empowerment	4
NMDD 3880	Designing Smart Cities for Social Justice	4

## Digital Governance, Policy, and Law courses

*Courses in this group have the DTPL attribute.*

These courses focus on the laws and policy-making that have governed technology across history, as well as the internal policies that govern how technology is deployed, developed, and used.

Course	Title	Credits
COMC 3350	Media Law	4
COMC 4340	Freedom of Expression	4
DTEM 2450	Digital Property: Rights, Policies, and Practice	4

DTEM 4440	Privacy and Surveillance	4
DTEM 4451	The Technology Industries	4

## Availability

The major in digital technologies and emerging media is available at Fordham College at Rose Hill (FCRH) and Fordham College at Lincoln Center (FCLC). Students in Fordham's School of Professional and Continuing Studies may major in digital technologies and emerging media only if they receive the approval of their advising dean and/or department, and their schedules are sufficiently flexible to permit them to take day courses at the Rose Hill or Lincoln Center campuses. Such students must provide the Communication and Media Studies Associate Chair at their home campus a statement confirming they are able to take day classes in order to fulfill their major requirements.

**Fordham College at Rose Hill students:** The requirements above are in addition to those of the Core Curriculum.

**Fordham College at Lincoln Center students:** The requirements above are in addition to those of the Core Curriculum.