

## Minor in Digital Media Technologies

Interdisciplinary Minor between the CIS & BTMM Departments

The Minor in Digital Media Technologies combines courses from the Department of Computer and Information Sciences (in the College of Science and Technology) with courses from the Department of Broadcasting, Telecommunications, and Mass Media (BTMM) (in the School of Communications and Theatre). This minor was designed to expand a students' knowledge of the information age, to empower them to understand how to communicate using emerging media and computer technologies. The ability to tell stories through emerging digital media technologies will be critically and analytically explored as students examine the science of those technologies. The algorithms of communicating via emergent technologies will be at the core of this minor. This program addresses serious gaps in the current curriculum because current students of media have little understanding of the science of digital media and fast evolving interactive web-based information sharing technologies.

This new minor is a cross disciplinary program that bridges the gap between the sciences and the arts at Temple University. This is a trend at leading universities across the country.

This minor:

1. Expands critical thinking and communication skills
2. Builds knowledge in the interdisciplinary nature of science and media
3. Promotes intellectual inquisitiveness and life-long learning
4. Develops awareness of social and ethical issues
5. Promotes collaborative learning and teamwork skills
6. Increases students' ability to analyze and interpret information
7. Refines problem solving skills using emerging technologies

Upon completion of this minor, student should be able to demonstrate the following competencies:

1. Utilization of the hardware, software and technologies for integrating content for computers, the Internet, and mobile devices
2. Critical analysis of decisions made regarding the use of technology specifically in the social and ethical arenas
3. Understand the impact of current and emerging technologies locally and globally
4. Design and implementation of content for various media digitally
5. Ability to evaluate the science of technology as it impacts communications.
6. Develop and refine presentation, analytical, problem solving and writing skills

**REQUIRED (4 courses, 15 credits)**

Dept	Course	Description	Credits
BTMM	1701	Intro to Digital Media	3
CIS	1052	Introduction to Web Technology and Programming	4
CIS	1056	Programming for the WWW	4
BTMM	2741	Introduction to Cybermedia	4
<b>Total</b>			<b>15</b>

**ELECTIVES (Select 2 courses, 6-7 credits) \***

Dept	Course	Description	Credits
BTMM	4741	Cybermedia Workshop	4
BTMM	4252	Law and Ethics	3
BTMM	4890	Advanced Topics(User Generated Contents  Mobile Comm  Tele Presence)	3
BTMM	4614	Creating a Media Business	3
CST	4321	Entrepreneurship in Science and Technology	3
CIS	2000+	CIS 2000+ level course *	3 or 4
<b>Total</b>			<b>6 - 8</b>

**Total Courses: 6****Total Credits: 21-23****\* Implementation Details:**

- For BTMM students, at least one (1) CIS elective is required.
- For CIS students, at least one (1) BTMM elective is required.
- For students of other backgrounds, at least one (1) BTMM and one (1) CIS elective are required.
- Example CIS Electives: CIS 2109 (Database Systems), CIS 2305 (Mobile Computing Technologies).