TELECOMMUNICATIONS AND INFORMATION MANAGEMENT MAJOR

OVERVIEW

Telecommunications and Information Management is an interdisciplinary major offered through the School of Communication, College of Arts and Sciences, and the School of Business Information Systems, Haworth College of Business.

The major prepares students for a variety of telecommunications and data communication sub-disciplines, including telephony, data base management, network operations, cable television, satellite communication and Internet communication. The focus of the major is to give students a well-balanced education in a variety of business and technical management issues.

The major offers a 21st century approach by combining people and resources across the greater WMU campus. Students graduating as a TIM major will receive a Bachelor of Arts (BA) from the College of Arts and Sciences or a Bachelor of Business Administration (BBA) from the Haworth College of Business.

WHAT WILL I LEARN WITH A TIM MAJOR?

* Telecommunications and Business Strategy
* Satellite & Wireless Communication
* Network Systems and Data Com. Analysis
* Network Security and Compliance
* Innovation Technology Management
* Internet & Software Project Management
* Telecom. & IT Project Management
* Telecommunications and IT Project Management
* Enterprise Management
* Broadcast & Cable Com.
* Telecom. Law & Policy
* Electronic Commerce
* Data Mining
* LAN & WAN Admin.
* Internet Web Design

WHAT CAN I DO WITH A TIM DEGREE?

Telecommunications and Information Technology are among the fastest growing fields in the US economy today. The convergence in both areas necessitates a curriculum that is more reflective of the on-going changes in the field. We have absolute confidence our students will be among the best trained and uniquely sought after for the professional skills and knowledge base that this program will offer.

* Broadcast/Cable Television Management
* Network Systems and Data Communication Analyst
* Satellite and Wireless Communication Manager
* Internet and Software Project Manager
* Telecommunications and IT Marketing/Project Manager
* Telecommunications Policy Analyst
* Telecommunications and IT Sales
* International Satellite Common Carriage Specialist
* Information Technology Specialist
* Network Systems and Security Administrator
* Electronic Commerce Design Specialist
* Media and Advanced Technology Support Administrator
* LAN/WAN Support Specialist

ADMITTANCE

To be admitted to this major, you must have completed the required Pre-Communication courses with a C or better, have an overall GPA of 2.50 and have completed at least 30 hours at WMU (transfer students must complete at least 15 hours). To apply, visit us online at www.wmich.edu/communication. Click on Academics, then Undergraduate and select Telecommunications & Information Management.
Please note: For students with a catalog year beginning Fall 2017
The following information is provided as a guide to your major curriculum. Students should review all requirements (major, minor, and general education) as specified in the catalog under which they enter (catalog.wmich.edu).

Minimum of 36 hours – Non-teaching major

Pre-Major Courses (6 hours)                           Credits
COM 2400: Introduction to Media and Telecommunications 3
Select either –
COM 1000: Communication and Community Engagement 3
(Required of Arts and Sciences students)
or
CIS 2700: Business-Driven Information Technology 3
(Required of Haworth College of Business students)

Telecommunication and IT Core Requirements (21 hours)
CIS 2660: Networking and Data Communications (Prerequisite: C or better in CIS 2600) 3
CIS 3600: Systems Analysis and Design (Prerequisite: C or better in CIS 2600) 3
CIS 3660: Information Assurance and Compliance (Prerequisite: C or better in BUS 2700) 3
CIS 4600: Business Database Applications (Prerequisite: C or better in CIS 3600) 3
COM 4460: Telecommunications Law and Policy (Prerequisites: C or better in COM 2000 and COM 2400) 3
*COM 4480: Media Management and Telecommunications 3
(Prerequisites: C or better in COM 2000 and COM 2400)
COM 4490: Communication Technology and Innovation 3
(Prerequisites: C or better in COM 2700 and COM 2400)

Telecommunication and IT Electives (9 hours)
After consulting the major advisor, students will be advised to select three courses from the following course list based on their individual interest, specific need, or career planning.
CIS 2600: Business Application Programming (Prerequisite: C or better in CIS 1020/1100 or equivalent) 3
CIS 2610: Business Mobile Programming 3
CIS 2640: Business Analytics I (Prerequisite: C or better in CIS 1020/1100 or equivalent) 3
CIS 2800: Internet Programming (Prerequisite: C or better in CIS 1020/1100 or equivalent) 3
CIS 2900: Web Applications for Business 3
CIS 3620: Information Technology Project Management (Prerequisite: BUS 2700) 3
CIS 3640: Business Analytics II 3
CIS 3900: Business Web Architecture (Prerequisite: Admitted to TIM major) 3
CIS 4100: Internship (Prerequisite: CIS department approval) 1-4
CIS 4500: Customer Relationship Management 3
CIS 4640: Business Data Mining (Prerequisite: C or better in CIS 4600) 3
CIS 4700: Mobile Commerce Development (Prerequisite: CIS 3900) 3
CIS 4900: Electronic Commerce Development (Prerequisites: CIS 3900 and CIS 4700) 3
CIS 4950: eBusiness Technologies (Prerequisites: CIS 3900 and CIS 4600) 3
CIS 4990: Enterprise Project (Prerequisite: C or better in CIS 4600) 3
CIS 5550: Topics in Computer Information Systems (Prerequisite: Consent of instructor) 3
COM 3540: Web Design and Digital Communication 3
COM 4550: International Telecommunications (Prerequisite: COM 2400) 3
COM 4990: Internship 1-6
COM 5640: Telecommunications Networks (Prerequisite: C or better in COM 2400 and COM 1000/2000) 3
GEOG 3010: Fundamentals of Geographic Information Systems 4
(Prerequisites: Department computer literacy requirement plus 14 credits of Geography)
GEOG 5690: Geodatabase Design and GIS Workflows (Prerequisite: GEOG 5010) 4

TIM majors may not select any minor in the Haworth College of Business. This restriction is because of the accreditation requirements through the Association for the Advancement of Collegiate Schools of Business (AACSB).

- All course prerequisites must be met to enroll in upper-level courses. A course and its prerequisite cannot be taken at the same time.
- Grade requirement: A minimum grade of C is required in all courses to be applied toward the major.
- The School prohibits students from taking a class more than twice for credit.
- Baccalaureate-level writing requirement must be met by taking either COM 4480 (*) for Arts and Sciences students or BCM 3700 for Haworth College of Business students.
- Students taking GEOG 3010 or GEOG 5690 are required to have a laptop computer.