TECHNOLOGY AND INNOVATION PROGRAM

A ten-week intensive program providing a comprehensive review of the disciplines required to manage the ongoing innovation and rapidly changing technology in today's business environment and strategies to assure sound decision-making for business in an interconnected world.

With the dramatic acceleration of technological change and innovation in the U.S. (and the world) over the past twenty years, it has been difficult for businesses to keep pace. This era of innovation and constantly changing and evolving technology demands IT managers consider more aspects than ever in his/her decision-making. The goal of the Technology and Innovation Program is to provide an understanding of the key disciplines involved in the practical management of technology and innovation for business.

At the conclusion of this program, the successful student should have an appreciation of the information technology industry, in general, and the pertinent aspects of managing technology and innovation and strategic decision-making to benefit one’s business, in particular. The student should be able to apply the knowledge gained in the program to "real world" business situations, recognizing that information technology (in all its forms, i.e., data, voice, image, text, graphics) is a critical and viable business tool that can be managed effectively in an interconnected world and in this era of innovation. The program is ideally suited for IT professionals, technology managers, project managers and others who are responsible for the planning or implementation of new technologies.

Program content will consist of instructor-led lecture/discussions, reading materials, homework assignments (in the form of online quizzes), and a final case study project.

YOU WILL LEARN ABOUT:

- Technology as an External Business Force
- Impact of Regulation and Competition on Technological Advancement
- Decision-Making in the New Environment
- Technology in the Corporate Environment
- Security and Risk
- IT/Telecom Technology from a Global Business Perspective
- Ongoing Management Issues
TECHNOLOGY AND INNOVATION PROGRAM

Over the past fifteen years we have gone from thinking the data world as we know it was coming to an end (Y2K anyone?) to a world where data has grown disproportionately with our ability to safely and practically manage it. There is an entirely new lexicon for managers of IT and many of us are a little overwhelmed by the breadth and proliferation of the terminology. Just keeping up with the terminology is enough to give one a migraine. Couple that with the ever-expanding demands placed on management to provide near-universal access, mobility, and unlimited data capacity in a globally-connected world and the challenge becomes daunting at best and career-ending if not managed correctly. With these challenges in mind, DePaul University’s Institute for Professional Development has designed a program to address many of these issues, with a practical approach to understand the issues confronting managers today, deconstructing the terminology, and providing sound techniques for managing in an interconnected world.

CURRICULUM

This program is lecture/discussion-oriented, with the emphasis on discussion. The course is intended and designed to involve the student's participation in each class.

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<td>TECHNOLOGY FROM A GLOBAL BUSINESS PERSPECTIVE</td>
<td>Global communications access. Designing, implementing and maintaining global communications networks. Key players in the global communications market place.</td>
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ONGOING MANAGEMENT
ISSUES

Day-to-day operational management of the technological environment. Intelligent management of your assets and resources, including vendors and consultants. Future planning. Budgeting. Staffing. Skills to position you with upper level management.

GENERAL INFORMATION

ADMISSION

Professional work experience in the administration, support or management of information technology services is recommended. Acceptance into the program will be determined by the admissions committee on the basis of an applicant's overall qualifications, including work history and educational background.

A substantial commitment of time is required for this intensive course of study. Students must attend a three-hour lecture (or view online video of the recorded lecture) per week, in addition to completing text readings, written homework assignments (in the form of online quizzes), and a case study assignment. Students will be expected to contribute to class discussions.

The purpose of the online quizzes which will be given at specific intervals through the course is to reinforce concepts learned. The intent of the case study is to assure that the student has a firm grasp of the concepts presented throughout the duration of the course.

FACILITIES

To promote the learning process, the Institute maintains special-purpose laboratories as well as dedicated classrooms equipped with state-of-the-art audio/visual equipment.

In addition, the college’s unique Course OnLine (COL) technology allows students to replay classes over the Internet. COL captures and replays five components of the classroom experience—audio, video, PC screen, whiteboard, and document camera input—and incorporates them into one interface to provide an innovative rebroadcast system.

SCHEDULE

The Institute offers one section of the program each quarter. Classes meet one day per week.

FACULTY

The program is taught by James Heatherly, MBA. Mr. Heatherly has been an adjunct lecturer at DePaul for many years, and has experience teaching undergraduate and graduate coursework, as well as IPD programs since the Institute was founded. He has taught graduate courses in Telecommunications Management, Telecom Law and Telecom Economics. Mr. Heatherly will be available throughout the program both in person and through e-mail.
The college, through its School of Cinematic Arts, School of Computing, and its School of Design, offers a variety of programs at the undergraduate and graduate levels. Over 3,000 students are enrolled in the college’s bachelor’s programs and over 2,700 students are enrolled in the master’s and Ph.D. programs making the college’s graduate program one of the largest in the country. The college offers more than 300 courses each quarter, many in the evening, and primarily in the Loop and Lincoln Park Campuses. Most of the degree programs are also available exclusively online.

**Offerings at the undergraduate level include:**
- Animation B.A. / B.F.A.
- Computer Science B.S.
- Cyber-Physical Systems Engineering B.S.
- Cybersecurity B.S.
- Data Science B.S.
- Film and Television B.A. / B.F.A.
- Game Design B.S.
- Game Programming B.S.
- Graphic Design B.F.A.
- Information Systems B.S.
- Information Technology B.S.
- Interactive and Social Media B.S.
- Math and Computer Science B.S.
- Network Engineering and Security B.S.

**Offerings at the graduate level include:**
- Animation M.A.
- Applied Technology M.S.
- Business Information Technology M.S.
- Computational Finance M.S.
- Computer Science M.S.
- Cybersecurity M.S.
- Digital Communication and Media Arts M.A.
- E-Commerce Technology M.S.
- Experience Design M.A.
- Film and Television M.S.
- Game Programming M.S.
- Health Informatics M.S.
- Human-Computer Interaction M.S.
- Information Systems M.S.
- IT Project Management M.S.
- Network Engineering and Security M.S.
- Predictive Analytics M.S.
- Product Innovation and Computing M.S.
- Software Engineering M.S.
- J.D./M.S. in Computer Science Technology

**Master’s of Fine Arts**
- Animation
- Creative Producing
- Documentary
- Film and Television
- Game Design
- Screenwriting

**Ph.D. in Computer and Information Sciences**
- Ph.D. in Human Centered Design

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**INSTITUTE FOR PROFESSIONAL DEVELOPMENT**

The Institute for Professional Development was formed by the college in 1984 to assist both individuals and businesses in keeping pace with the rapid development of computer technologies. The Institute currently offers a variety of intensive certificate programs in these areas:

- Advanced SQL
- Big Data and NoSQL
- Big Data Using Hadoop
- Big Data Using Spark
- Cloud Computing Technologies
- Data Science for Business
- Fundamentals of R
- Introduction to SQL
- iOS Developer
- IPv6
- Java™ Developer
- Modern Information Technology
- Modern .NET Web Development
- SQL Server® Business Intelligence
- SQL Server® Database Administration
- Technology and Innovation
- Web Development with JavaScript and HTML5

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**APPLICATION PROCEDURE:**

Complete the enclosed application and return it with a non-refundable $40.00 application fee (check or money order made payable to DEPAUL UNIVERSITY) to:

DePaul University
Technology and Innovation Program
Institute for Professional Development
243 S. Wabash Avenue, Room 301
Chicago, IL 60604-2300