An 11-week certificate program focusing on machine learning, transfer learning, automated machine learning, and deep learning for data scientists, business analytics and other IT professionals. This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on enrollment.

IPD 243 | DATA ANALYTICS WITH EXCEL AND TABLEAU PROGRAM | 0 quarter hours
(Undergraduate)
An 11-week certificate program covering Tableau and Microsoft Excel for statistical modeling and data analytics. This course will teach you to prepare for data for analysis, use various data analysis techniques, and present data in a visually-compelling way. It is geared towards business professionals who have basic skills in Excel. This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on enrollment.

IPD 244 | ROBOTIC PROCESS AUTOMATION PROGRAM | 0 quarter hours
(Undergraduate)
An 11-week certificate program designed to help business and IT professionals understand how to accelerate efforts at transforming their businesses digitally using Robotic Process Automation (RPA). This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on enrollment.

IPD 245 | DATA VISUALIZATION WITH TABLEAU PROGRAM | 0 quarter hours
(Undergraduate)
A 5-week certificate program geared towards business and data professionals who wish to get an in-depth working knowledge of Tableau. Students will learn Tableau fundamentals and gain competency in working with data in Tableau. The program will also cover core visualizations, dashboard design, and best practices for visualizations. This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on enrollment.

IPD 246 | WEB SERIES DEVELOPMENT PROGRAM | 0 quarter hours
(Undergraduate)
This 5-week certificate program explores the process of development and screenwriting of an independent short-form television series, otherwise known as web series. It is taught, in Spanish, in a workshop format based on the operation of a professional writers' room. The focus is pitching ideas, script development, and the revision of the different roles that make the writers' room a creative and dynamic environment. The program is open to college students with a firm grasp of the Spanish language, interested in the world of television. This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on enrollment.

IPD 247 | MACHINE LEARNING AND DEEP LEARNING PROGRAM | 0 quarter hours
(Undergraduate)
An 11-week certificate program covering g advanced data science techniques using Python and how to apply them in different domains. This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on enrollment.

IPD 248 | ARTIFICIAL INTELLIGENCE FOR ENTERPRISE PROGRAM | 0 quarter hours
(Undergraduate)
An 11-week certificate program designed for IT professionals and business decision-makers who want to learn the fundamentals of artificial intelligence and be able to apply them to their business. The program covers an introduction to artificial intelligence, cognitive analytics, natural language processing, knowledge engineering, digital voice assistant, image/video recognition, robotics process automation, and augmented reality. The program will also cover different APIs that are used in industry relating to cloud and mobile technologies. This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on enrollment.
In this course, we introduce the core issues associated with development for iOS mobile devices. Students learn a platform’s IDE, frameworks, view, menu, controllers, graphics audio and more. Understanding the device’s taps, touch, multi-touch, gestures, and accelerometers are just a few of the interactions the class will cover. User data interactions, internet conductivity, persistent storage and iCloud retrieval will be introduced. The course is designed to introduce the basics for business mobile applications.
IPD 460 | SQL SERVER BUSINESS INTELLIGENCE PROGRAM | 4 quarter hours
(Graduate)
An 11-week in-depth certificate program covering Microsoft SQL Server analysis services, integration services, and reporting services. This program requires a separate application for admission and $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on how to enroll.

IPD 463 | SQL SERVER DATABASE ADMINISTRATION PROGRAM | 4 quarter hours
(Graduate)
An 11-week certificate program covering database administration using Microsoft SQL Server. This program requires a separate application for admission and a $40 application fee. Please visit IPD.CDM.DEPAUL.EDU for information on how to enroll.

IPD 500 | TASTE OF COMPUTING PROFESSIONAL DEVELOPMENT | 4.5 quarter hours
(Graduate)
The goals of this course are to: work collaboratively with peers to implement an inquiry-based curriculum in computer science; prepare to teach culturally-relevant foundational computing knowledge with concrete instructional strategies; and, develop a community of practice in the classroom with an interdisciplinary approach to problem-solving. (variable credit)