

CAREER STUDIES CERTIFICATE (221-299-12)

IT: Database and Program Developer

Purpose: This program will provide students with skills in the aspects of client side database and programming development necessary for medium to large size companies. Courses will cover topics in database fundamentals, database administration design, and client side programming in either Java or C#.

Occupational Objectives: Students will gain the knowledge necessary for an entry level position in fields including Database Administrator, SQL Server Administrator, MySQL Administrator, Java Developer, C# Developer, and Software Architect.

Admission Requirements: Applicants must meet the general admission requirements for admission to the college. To be successful in this program, students must have demonstrated Math/English competency to be placed above Pre-Algebra and above ENG 4. Students not achieving this level will be required to take developmental courses.

Program Requirements: Students enrolling in the program will choose whether to specialize in Java or C# programming when they begin. Electives must be approved by their faculty advisor. This program may optionally be completed totally through Distance Learning with the permission of the IT faculty advisor or the IT Program Head.

CURRICULUM AND OTHER REQUIREMENTS

DATABASE & PROGRAM DEVELOPER COURSES	CREDITS
ITD 130 Database Fundamentals	3
ITD 250* Database Architecture and Administration.....	4
ITD 251* Database System Development.....	3
ITP 100..... Software Design.....	3
ITP 120 & 220*. Java Programming I and II or	
ITP 136 & 236*. C# I and C# II.....	8
Total Minimum Credits for Certificate.....	21

** This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.*

SUGGESTED SCHEDULE

FIRST YEAR	SPRING
FALL	ITD 130
ITP 100	ITP 120 or ITP 136
SECOND YEAR	SPRING
FALL	ITD 251
ITD 250	
ITP 220 or ITP 236	