

Associate’s Degree in Programming for Business

NOTE: This page only lists the Degree or certificate specific courses. Changes in general education requirements are currently being evaluated and may impact the number of degree/certificate specific courses in our programs. General education courses are not listed on this document. Please see a college counselor or Sue Krimm in CSIT.

Purpose: Students develop skills and knowledge, in a collaborative, hands-on environment, that they can use to gain employment or enhance their careers in computer programming in business environments. This degree may also help student prepare to transfer to some 4-year Information Systems, or related programs. **Students seeking transfer to a 4-year program in Computer Science should review the “Associate’s Degree in Computer Science” program instead of this program.**

Required Courses	
Course Name and Number	Prerequisite (a course which must be taken first) Corequisite (to be taken first, or at the same time)
CS 501 Intro to Computers and Their Uses	
CS 572 Intro to PC Hardware and Operating Systems.	
CS 587 Intro to Computer Networks (Cisco 1)	Co: CS 572
CS 508 Intro to Programming in Visual Basic OR CS 575 Programming Fundamentals	
CS 533 Databases Using Access and SQL	Pre: CS 501
CS 550 Intro to Web Dev with Dreamweaver and CSS	
CS 541 Advanced Database Programming with C#	Pre: (CS 508 OR 575) and CS 533
CS 547 Digital Image Processing and Programming for the Web	
CS 548 Web Development using Flash and ActionScript	
CS 554 Server Side Programming for the World Wide Web	Pre: CS 533 and CS 501
CS 556 Dynamic Website Development	Pre: CS 550
MATH 125 (this will count as a general education requirement also)	

Notes:

- **508:** You do not need both CS 508 and CS 575 for this degree. CS 575 is a very rigorous programming course designed for Computer Science or Computer Engineering majors. The Programming for Business degree allows the less rigorous CS 508 programming course and gives students introductory skills in programming.
- **IMPORTANT:** many of these classes are only offered one time per year. Take whichever is available at the time if your prerequisites are complete.
- **Catalog Rights:** Requirements changed in Spring of 2015. Students who attended Pierce with no break in attendance prior to this time may have different requirements that they can use for this degree. Check with David Schamus
- **CS 547 and CS 548:** The department is researching alternatives to these courses, but for now, they are a required part of our program