IUPUI University College
School of Science

Certificate in Applied Computer Science

Applications for the certificate program and further instructions are available from the faculty and academic counselors. Please call or stop by the Department of Computer and Information Science, SL Building, Room 280, telephone (317) 274-9727, or visit our website at www.cs.iupui.edu.

Requirements:
Students are required to successfully complete 18 credit hours (6 courses) to earn the certificate. No grade below a C- is acceptable toward the certificate and an overall GPA of 2.0 must be maintained.

Prerequisite Courses:

CSCI-N201 Programming Concepts or equivalent course 3 cr. ____
CSCI-N241 Fundamentals of Web Development 3 cr. ____
MATH-M118 Finite Mathematics or higher-level course 3 cr. ____

Required Core Courses:

CSCI-N301 Fundamental Computer Science Concepts 3 cr. ____
CSCI-N341 Introduction to Client-Side Web Programming 3 cr. ____
CSCI-N485 Topics in Applied Computing 3 cr. ____
or approved CSCI-N3## or CSCI-N4## course alternative.

Advanced Electives:

Students must successfully complete **three** of the following courses. Other courses may apply with approval from the Program Advisor.

CSCI-N305 C Language Programming 3 cr. ____
CSCI-N307 Introduction to Programming Using Java 3 cr. ____
CSCI-N311 Advanced Database Programming, Oracle 3 cr. ____
CSCI-N321 System and Network Administration 3 cr. ____
CSCI-N323 Communication Security & Network Controls 3 cr. ____
CSCI-N325 Design and Implementation of Local Area Networks 3 cr. ____
CSCI-N327 Communication Network Design 3 cr. ____
CSCI-N331 Visual Basic Programming 3 cr. ____
CSCI-N335 Advanced Programming, Visual Basic 3 cr. ____
CSCI-N342 Server-Side Programming for the Web 3 cr. ____
CSCI-N343 Object Oriented Programming for the Web 3 cr. ____
CSCI-N345 Advanced Programming, Java 3 cr. ____
CSCI-N351 Introduction to Multimedia Programming 3 cr. ____
CSCI-N355 Introduction to Virtual Reality 3 cr. ____
CSCI-N361 Fundamentals of Software Project Mgt 3 cr. ____
CSCI-N399 Topics in Computing (topic varies) 1-3 cr. ____
CSCI-N431 E-Commerce with ASP.NET 3 cr. ____
CSCI-N435 Data Mgt Best Practices with ADO.NET 3 cr. ____
CSCI-N443 XML Programming 3 cr. ____
CSCI-N451 Web Game Development 3 cr. ____
CSCI-N461 Software Engineering for Applied Comp Sci 3 cr. ____
CSCI-N499 Topics in Applied Computing (topic varies) 1-3 cr. ____

Admission Requirements:

1.) A cumulative GPA of at least 2.0.
2.) Junior standing.
3.) Successful completion of pre-requisite courses with a grade of C- or better.

Students must declare their intent to earn this Certificate prior to completing the Core requirements (9 credit hours). No more than 9 credit hours earned prior to admission to the program will be accepted toward the program.

Application to the program can be found at www.cs.iupui.edu/form/certificate.
Students should apply before completing the 3 required core courses.

NOTES: _____