

**Credit by Examination is not granted for
the following IT&CS Courses:**

ITCS 2012 Discrete Structures
ITCS 2080 Fundamentals of Software Engineering
ITCS 2105 HTML Programming II
ITCS 2110 XML Programming I
ITCS 2120 JavaScript Programming I
ITCS 2140 CGI Programming I
ITCS 2150 PHP Programming I
ITCS 2170 Introduction to Active Server Pages
ITCS 2180 CGI Programming II
ITCS 2190 Internet Specialist Capstone
ITCS 2590 Microcomputer Capstone
ITCS 2810 Visual Basic.NET Programming II
ITCS 2820 Java Programming II
ITCS 2840 Visual C# .NET Programming II
ITCS 2850 Game Programming I
ITCS 2851 Game Programming II
ITCS 2854 Flash Game Programming I
ITCS 2855 Flash Game Programming II
ITCS 2860 Robotics for Game Programmers I
ITCS 2861 Robotics for Game Programmers II
ITCS 2870 Data Structures I
ITCS 2875 Computer Architecture and Organization
ITCS 2890 Microcomputer Client/Server Programming Capstone
ITCS 2895 Interactive Game Programming Capstone
ITCS 2899 Robotics and Autonomous Machines Capstone
ITDB 2400 Oracle Developer: Forms I
ITDB 2405 Oracle Developer: Forms II
ITDB 2490 Oracle Database Applications Developer Capstone
ITIS 1006 Soft Skills in the Information Technology Workplace
ITIS 2590 Microcomputer Capstones
ITON2295 Operating Systems and Networking

**Information Technology &
Computer Science Faculty**

Sue Baker, Professor
Jennifer Crissman, Professor
Nick DiTirro, Professor
Becky Grasser, Professor
Sue Guthrie, Professor
Joe Kozlevcar, Professor
Anita Krsak, Professor
Donna Lohn, Professor
Judy Mazzeo, Professor
Tony Ruque, Professor
Tony Slabicki, Professor
Perry Tonni, Professor

For More Information:

Contact: Jennifer Crissman
Phone: 440.525.7542
Fax: 325.555.0145
jcrissman@lakelandcc.edu



**Credit for
Non-Traditional
Learning**

**Information Technology
& Computer Science**



Credit-By-Exam
Credit-By-Certification
Credit-By-Substitution
Waiver of Courses

Credit for Non-Traditional Learning

Students in Lakeland's Information Technology & Computer Science (IT&CS) Program often have questions about gaining credit toward a degree or certificate for experiences other than traditional classroom attendance. This brochure provides general information on a variety of ways this may be accomplished.

Lakeland's IT&CS faculty encourages efficiency in academic progress. Where students understand most of the material presented in a course, it is not efficient to require 30 or 40 hours attendance in the classroom. However, as faculty in an accredited institution of higher education, the primary concern is the effectiveness of the student's education. Awarding credit, then, is the result of confidence that relevant learning has occurred at an appropriate college level.

The IT&CS Department requires at least 50 percent of technical credits required for the AAB degree or the IT&CS certificate to be completed at Lakeland in the traditional format. Any IT&CS credits that are transferred into the IT&CS programs must be reviewed and approved by the IT&CS Department. See the College Catalog for further information.

* The combined credits received through Credit by Examination and Credit by Certification cannot exceed a total of 6 for a Degree and 3 for a Certificate.

Waiving Required Courses

"Waiving" a course means that you are exempted from taking the course. A student can waive required IT&CS courses if the student can show prior training or experience that meets the specific course requirements.

Waiving a required course will not reduce the total number of credits you need for your degree or certificate. If actual credit is desired, the Credit By Examination procedure should be followed.

The approval to waive a course must be made by the department that is granting the degree or certificate to the student. You can obtain a Request for Credit/Waiver form from the Admissions office. The only IT&CS courses that can be waived for an IT&CS degree/certificate are:

ITIS 1005 Computers and Information Processing
ITCS 1010 Programming Logic

If a course waiver is granted, the missing credits must be obtained from IT&CS coursework which is not in the student's program of study.

Substituting Courses

Upon review by the IT&CS Department, certain higher level courses may be substituted for required courses for transfer, job training, or other reason. Substitutions are evaluated on an individual basis.

Credit By Certification

Credit by Certification means that the student may receive credit for selected courses because of formal, noncollegiate learning.

Lakeland's IT&CS department may award credit for selected courses (equivalent to existing IT&CS courses) when a formal examination has been successfully passed through an outside organization or hardware/software company. These companies include but are not necessarily limited to: Microsoft, Novell, and Oracle.

Credit By Examination

Lakeland's IT&CS Department recognizes prior knowledge and/or experience as a substitute for course work using the Credit by Examination option.

The Credit by Examination option is for those students who, through non-classroom experience, are already familiar with the material in a course. Please be aware that much of the material in a number of the basic courses in the IT&CS program cannot be "experienced." The material may cover theory or technical details that cannot be effectively learned on-the-job. To ensure you are receiving the level of education that stands behind Lakeland's accredited programs, IT&CS faculty follow a structured process for reviewing applications for Credit by Examination.

Before considering applying for Credit by Examination you should:

- Review the course outline. (You can obtain a course outline from the office of the Dean of Business or the IT&CS Department Faculty member responsible for the course.)
- Review the textbook for the class and see if you are familiar with the contents including concepts and definitions.

If you feel confident that you know the material and are eligible you should apply following the Credit by Examination procedure.

Credit By Experience

The IT&CS Department uses the **Credit by Examination** option rather than credit by experience, to evaluate the student's skills and theoretical knowledge of the subject.