



## **Information Technology Studies (ITS) Certificate Available in Three Concentration Areas**

### **Web Design and Development**

It takes more than knowing how to use the latest web development software. It takes an understanding of design principles and usability, and all the tools and techniques available to develop effective and compelling web sites. The ITS Certificate in Web Design and Development provides students with the knowledge and skills needed to do just this.

- ITS 1671 – Principles of Information Technology
- ITS 1672 – Introduction to Programming
- ITS 2410 – Introduction to Web Development
- ITS 3410 – Advanced Web Development
- ITS 3510 – Web Design & Usability

### **Business Analysis for IT Projects**

Business analysis is the set of tools, techniques and knowledge to effectively identify technology needs and recommend solutions. It is focused on the “what” of an IT project – what do the stakeholders need? What should we build? The ITS Certificate in Business Analysis takes a problem solving approach to focus on the role that a business analysis would play to help ensure successful IT projects.

- ITS 1671 – Principles of Information Technology
- ITS 1672 – Introduction to Programming
- ITS 2210 – Creativity in Problem Solving
- ITS 3880 – Systems Analysis & Design
- ITS 3810 – IT Business Analysis

### **IT Project Development**

The ITS Certificate in Project Development is for those students who want to experience an IT project from inception as an idea, through to implementation. Based on a need from a Denver based non-profit organization, students, working as teams, will design and develop an IT solution. Besides developing an IT solution, students will define the scope, develop a project plan, assign roles and responsibilities, create a risk management plan and track progress for their project.

- ITS 1671 – Principles of Information Technology
- ITS 1672 – Introduction to Programming
- ITS 3880 – Systems Analysis & Design
- ITS 3890 – Management of IT Projects
- ITS 3950 – Integrated Seminar

***An interview with the ITS Program Director is required for admission to a certificate program. In addition, ITS 1670 may be required as a prerequisite to ITS 1671.***