

Notification of Request for Authorization under the Degree-Granting Institutions Act

Date posted: September 7, 2012
Institution: International Academy of Design & Technology
Current status: Authorized to offer degree programs at its Seattle campus
Nature of request: Authorization to offer an additional degree program at the Seattle campus
Proposed program:
Bachelor of Science in Software Engineering

Washington site where the program will be offered:
International Academy of Design & Technology-Seattle
645 Andover Park West
Tukwila, WA 98188

Background:

International Academy of Design & Technology (IADT) has been authorized to offer certain associate and bachelors degree programs in Washington since May 3, 2004. It is accredited by the Accrediting Council for Independent Colleges and Schools (ACICS) as a branch campus of the Tampa, FL campus of International Academy of Design & Technology.

Nature of the review:

Prior to granting authorization to offer new degree programs in Washington State, the Washington Student Achievement Council /Degree Authorization reviews elements such as program outcomes, course requirements, method of course delivery, faculty credentials, and student services.

The program to be offered by International Academy of Design & Technology-Seattle appears to meet the requirements of the Degree-Granting Institutions Act.

Information on the additional program can be found at the end of this notice.

Timeline:

The Council will accept comments on this application until September 21, 2012.

Any individuals with knowledge that may indicate the institution and/or the program does not meet the authorization requirements of WAC 250-61 are requested to submit comments to:

[Degree Authorization](#).

If you would like to know more about the current law and regulations that govern the program, they can be found at the following links: the statute is [RCW 28B.85](#) and the regulation is [WAC 250-61](#).

Program Title:

Bachelor of Science in Software Engineering

Program Outcomes:

“Successful organizations use software engineers to find solutions to all kinds of business challenges. Individuals who understand how to use develop [sic] software based on industry needs are in demand.

- Solve complex problems through the ability to program in at least one high level programming language
- Implement the goals, processes and techniques of software engineering through the development of a complex software application supported by a project plan.
- Create and design Enterprise Architecture
- Apply database concepts and capabilities through the creation, organization, and maintenance of modern database systems.
- Differentiate and categorize the legal, ethical, and social issues of information technology.
- Distinguish between the principles, concepts, and fundamentals of operating systems.
- Categorize the fundamentals of computer system security requirements.
- Differentiate between current computer networks, protocols, and the role of the network management software in organizations.
- Demonstrate effective use of technical and professional communication
- An ability to function on multi-disciplinary teams
- An ability to communicate effectively.”

Number of Credits: 180 semester credits

Required Courses: (all courses are 4 credits each)

General Education Courses: (64 credits total)

COMM101 Interpersonal Communications
ECON315 Global Economics
ENGL101 English Composition I
ENGL102 English Composition II
HUMN101 Information Literacy
HUMN301 History of Art I
HUMN401 Literature and Film
MATH130 College Algebra
MATH215 Discrete Mathematics
MATH220 Statistics: Data-Driven Decision Making
PHIL405 Ethics
PSYC201 Psychology
SCIE201 Environmental Science
SCIE310 Physical Anthropology
SOCS201 Cultural Diversity
SOCS401 Political Science

Core courses: (116 credits total)

BUSN450 Project Management
CS133 Introduction to Programming and Logic

IT140	Introduction to Operating Systems and Client/Server Environments
IT245	Introduction to Network Management
IT270	Security Fundamentals
IT426	System Integration and Organization Deployment
SE150	Introduction to Java Programming
SE160	Intermediate Java Programming
SE205	Fundamentals of Database Systems
SE210	Programming with C++
SE220	Intermediate C++ Programming
SE310	C# Programming
SE320	Intermediate C# Programming
SE330	Data Structures
SE340	Structured Query Language for Data Management
SE350	The Software Engineering Profession
SE360	Software Design Patterns
SE370	Scripting for the Web
SE380	Web-Based Database Applications
SE400	Object Oriented Methods
SE410	Software Processes
SE420	Software Requirements Engineering
SE440	Software Design
SE450	Software Project Management
SE460	User Interface Design
SE470	Software Testing
SE475	Human Elements in Projects and Organizations
SE480	Software Engineering Internship OR
SE485	Software Engineering Capstone
WEB110	Programming for the Internet