

Whitewater University of California

Certificate Programs



Whitewater Certificate Programs

- English as a Second language
- TOEFL
- Database Management
- Java Programming
- Web Application and Development
- TCM Herbology
- Ying, Yang, & Nei Jing



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www.WUCA.us/certificate



**21609 Stevens Creek Blvd.,
Cupertino, CA 95014**

Enrollments & Requirements:

Students must possess a high school diploma or GED and provide proof to the Institute prior to starting classes. Exceptions to the requirement of a high school diploma or GED certificate programs are English as a Second Language, TOEFL, and the CEU program, Yang, Ying, Nei Jing.

English as a Second language

450 clock hours each level (15 weeks)

Objectives

English as a Second Language is also called English as a Foreign Language (EFL). This is an English language study program for nonnative speakers. WUC's ESL program has small classes so that student receive individual attention from their teachers. Students study English and also participate in the cultural and social activities of the school and community where they study. The goal of the ESL program is to improve the students' level of English as well as to prepare them for college studies. The classes teach different language skills, depending on the students' English abilities, interests, and needs. There are three levels of the ESL program, Beginning, Intermediate, and Advanced. Each of the levels teach the following: conversational English, grammar, reading, listening, comprehension, writing, and vocabulary. Students may take each of the levels as many times as necessary to enable the student to pass the exam qualifying them to move to a more advanced level.

Expected Educational Outcomes

- Students will heighten their awareness of correct usage of English grammar in writing and speaking
- Students will improve their speaking ability in English both in terms of fluency and comprehensibility
- Students will give oral presentations and receive feedback on their performance
- Students will increase their reading speed and comprehension of academic articles
- Students will improve their reading fluency skills through extensive reading
- Students will enlarge their vocabulary by keeping a vocabulary journal
- Students will strengthen their ability to write academic papers, essays and summaries using the process approach.

Certification awarded upon successful completion of all graduation requirements.

Classification of Instructional Programs (CIP) Codes: 13.1401



TOEFL

450 clock hours each level (15 weeks)

Objectives

This program covers the TOEFL test-taking skills and the contents of the TOEFL exam. This includes question interpretations, analyzing strategy, time management, reading comprehension, grammar, and essay writing. During the course, the students' progress will be analyzed to identify areas of strength and areas that need more attention.

Expected Educational Outcomes

- Speaking: students will be able to maintain a conversation with another student and/or interlocutor within the following functions: Turn taking, expressing clearly their points of view, ideas or feelings naturally.
- Listening: students will be able to identify the main ideas and some key details of simple and complex speech on concrete and abstract topics.
- Grammar/Vocabulary: students will be able to demonstrate command of a wide range of intermediate/upper-intermediate grammatical structures appropriately and accurately in written and spoken English.
- Reading: students will be able to read articles and short stories written in a straightforward language and style, including those which express specific points of view and abstract ideas, and will be able to infer meaning of words from context, grasp the main idea and key details.
- Writing: student will be able to write organized informal letters, essays, and descriptions with a range of mostly accurate grammar and vocabulary.

Certification awarded upon successful completion of all graduation requirements.

Classification of Instructional Programs (CIP) Codes: 13.1401

Database Management

450 clock hours each level (15 weeks)

Objectives

Database Management provides the foundation you need for a career in database development, data warehousing, or business intelligence, as well as for the entire Data Warehousing for Business Intelligence specialization. In this course, you will create relational databases, write SQL statements to extract information to satisfy business reporting requests, create entity relationship diagrams (ERDs) to design databases, and analyze table designs for excessive redundancy.

Expected Educational Outcomes

- An appreciation of pervasive use of Knowledgebase and DBMS in different application domains
- Skill for developing database applications
- Skills for devising data models and query languages
- Skills for developing web database applications
- Learning storage and indexing of data
- Learning transaction processing and database recovery
- Learning knowledge representation and semantic web technologies
- Skills to integrate knowledge to databases

Certification awarded upon successful completion of all graduation requirements.

CIP Codes: 11.0699 Data Entry/Microcomputer Applications



Java Programming

450 clock hours each level (15 weeks)

Objectives

Java is widely used programming language expressly designed for use in the distributed environment of the internet. Also, it is the most popular programming language for Android smartphone applications and is among the most favored for edge device and internet for development. Once completed, student will have the knowledge to take the Java SE Programmer I certificate exam offered by the Oracle corporation.

Expected Educational Outcomes

- To learn how to extend Java classes with inheritance and dynamic binding.
- To learn how to use exception handling in Java applications.
- To understand how to design GUI components with the Java Swing API.
- To learn Java generics and how to use the Java Collections API.
- To understand how to design applications with threads in Java.
- To learn how to read and write files in Java.
- Pass the Java SE Programmer I Certification.

Certification awarded upon successful completion of all graduation requirements.

Classification of Instructional Programs (CIP) Codes: 11.0699

Web Application and Development

450 clock hours each level (15 weeks)

Objectives

This course will give students the basic background, terminology and fundamental concepts that students need to understand in order to build modern full stack web applications. A full stack web developer is familiar with each "layer" of the software technologies involved in a web application, including data modeling and database technologies, the web server environment and middleware components, network protocols, the user interface and basic visual design and user interaction concepts.

Expected Educational Outcomes

- Students will develop an understanding of the formalistic (aesthetic) aspects of design and visual communication.
- Students will demonstrate cross-platform (web, mobile, broadcast, print) storytelling skills.
- Students will become familiar with graphic design and/or game theory and be able to apply this theory to real world projects.
- Students will develop and understanding of information design and usability as it applies to interactive media projects.
- Students will utilize coding and software tools to analyze and present data in a professional manner that could be translated to web-based or app-based media.
- Students will write at a level suitable for a public audience in an area related to interactive media (e.g., technical writing, game writing, writing for social media, presentation of a CV)

Certification awarded upon successful completion of all graduation requirements.

SOC Codes: 15-1254 Web Developers

TCM Herbology

450 clock hours each level (15 weeks)

Objectives

Chinese herbology is the world's most sophisticated medical herbal system. The TCM Herbology curriculum includes extensive training in the identification, categorization and clinical use of the traditional Chinese herbal pharmacopoeia. Six trimesters of in-depth herbology study provide you with a solid working knowledge of more than 500 individual herbs and 350 classical and modern formulas. Advanced courses instruct you how to modify and enhance classical formulas in response to specific variants in a patient's diagnosed condition. All herb courses are taught using the Pinyin names of herbs.

Expected Educational Outcomes

- Articulate the basic theories of Chinese herbal medicine and the foundational knowledge of Chinese herbs, herbal formulations, and associated natural products.
- Formulate skilled diagnoses and treatment plans using the theories of Chinese medicine.
- Provide safe and effective patient care using various forms of Chinese herbal medicine.
- Integrate relevant biomedical information into the practice of Chinese herbal medicine.
- Demonstrate professionalism in all aspects of the program.

Certification awarded upon successful completion of all graduation requirements.

CIP Codes: 51.3302 Traditional Chinese/Asian Medicine and Chinese Herbology.

Ying, Yang, & Nei Jing

10 clock hours each level (1 weeks)

Objectives

This is a continuing education program for California Licensed Acupuncturists and Traditional Chinese Medicine practitioners.

Expected Educational Outcomes

- understand Ying-Yang theory framework and understand the fundamental principles of Huangdi Neij Jing,
- learn the origin of Ying-Yang theory from Nei Jing and from the Nei Jing perspective, how the universe/nature energy affects the human body,
- apply and adopt proper acupuncture points to treat patients based on the calculations and adoptions of Qi movement of celestial bodies based on the Nei Jing theory.

Certification: 10 clock hours; 1 CEU is awarded. Approved by the California Acupuncture Board.

CIP Code: 51.3301 Acupuncture