



Computer and Information Sciences

Employable Skills Certificate

This employable skills certificate in Computer and Information Sciences allows students to pursue multiple Oracle Program certifications. Specifically, completion of this short-term program of study prepares students for examinations leading to Oracle certification in:

- Associate, Java SE 7 Programmer
- Professional, Java SE 7 Programmer

For further information about this program, contact the Career and Technical Education department at extension 583 or 723.

All courses from the following (12 units):

CIS 120A Computer Programming I (4)

CIS 120B Computer Programming II (4)

CIS 120C Computer Programming III (4)

For further information about this program, contact the Career and Technical Education department at extension 583 or 723

Certificate of Achievement

The Web Development certificate is designed to prepare students to begin developing web sites as a professional. The curriculum provides a balanced foundation of all aspects of web development. Students will gain basic competencies in web authoring software, web graphics, web animation, HTML, client-side scripting, server-side scripting, and database connectivity. There is emphasis on understanding and practicing the entire web development process, from start to finish.

Program Learning Outcomes:

- Use authoring software to develop and manage a web site.
- Use graphics software to design web page layout and to produce and optimize graphics for the web.
- Use software to produce animation/video for the web.
- Write and interpret HTML code.
- Write, interpret, and apply client-side scripting.
- Write, interpret, and apply server-side scripting.
- Develop data-driven web pages.

A. REQUIRED COURSES

31 units distributed as follows:

1. All courses from the following (27 units):

CIS 100 Web Publishing Using Authoring Software (4)

CIS 101 Graphics for the Web (4)

CIS 102 Animation for the Web (4)

CIS 112 Web Publishing Using HTML and CSS (4)

CIS 113 Client-Side Scripting for the Web (4)

CIS 114 Data-Driven Web Sites (4)

CIS 115 Current Technologies in Web Development (3)

2. One course from the following (4 units):

ART 111 Two-Dimensional Design (4)

DMA 121 Artistic Concepts for the Web (4)

Course	Face-to-face offerings	Online Offerings
ART-111	Every fall	No offerings
CIS-100	No offerings	Fall 2018/2020
CIS-101	No offerings	Winter 2019/2021
CIS-102	No offerings	Spring 2019/2021
CIS-112	No offerings	Fall 2019
CIS-113	No offerings	Winter 2020
CIS-114	No offerings	Winter 2020
CIS-115	No offerings	Spring 2020
CIS-120A	No offerings	Every fall
CIS-120B	No offerings	Every winter
CIS-120C	No offerings	Every spring
DMA-121	No offerings	Every summer/winter

Please note: Students are required to meet with a counselor to develop an educational plan. All schedules subject to change!

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2017-18 Detailed Schedule for Computer and Information Sciences

➤ Summer 2017	CIS-102-01 Animation for the Web* Online/Canvas 7/3 - 8/11/17
➤ Summer 2017	CIS-112-01 Web Publishing Using HTML/CSS* Online/Canvas 7/3 - 8/11/17
➤ Fall 2017	CIS-100-01 Web Publishing Using Authoring Software* Online/Canvas 9/18-12/7/17
➤ Fall 2017	CIS-103A-01 Computer Game Design I* Online/Canvas 9/18 - 12/7/17
➤ Fall 2017	CIS-113-01 Client-side Scripting* Online/Canvas 9/18 - 12/7/17
➤ Fall 2017	CIS-120A-01 Computer Programming I*** Online/Canvas 9/18 - 12/7/17
➤ Winter 2018	CIS-101-01 Graphics for the Web* Online/Canvas 1/8 - 3/30/18
➤ Winter 2018	CIS-114-01 Server-side Scripting* Online/Canvas 1/8 - 3/30/18
➤ Winter 2018	CIS-120B-01 Computer Programming II*** Online/Canvas 1/8 - 3/30/18
➤ Spring 2018	CIS-102-01 Animation for the Web* Online/Canvas 4/9 - 6/28/18
➤ Spring 2018	CIS-115-01 Current Technologies* Online/Canvas 4/9 - 6/28/18
➤ Spring 2018	CIS-120C-01 Computer Programming III*** Online/Canvas 4/9 - 6/28/18
➤ Spring 2018	CIS-191AK-01 Special Topics: Python Programming* Online/Canvas 4/9 - 6/28/18

*Online **Employable Skills Certificate course

Projected Schedule for Computer and Information Sciences

Summer 2017	Fall 2017	Winter 2018	Spring 2018	Summer 2018	Fall 2018	Winter 2019	Spring 2019
CIS 102-01*	CIS 100-01*	CIS 101-01*	CIS 102-01*	No offerings	CIS 100-01*	CIS 101-01*	CIS 102-01*
CIS 112-01*	CIS 103A-01*	CIS 114-01*	CIS 115-01*		CIS 103A-01*	CIS 120B-01*	CIS 120C-01*
	CIS 113-01*	CIS 120B-01*	CIS 120C-01*		CIS 120A-01*		CIS 191AK-01*
	CIS 120A-01*		CIS 191AK-01*				
Summer 2019	Fall 2019	Winter 2020	Spring 2020	Summer 2020	Fall 2020	Winter 2021	Spring 2021
No offerings	CIS 112-01*	CIS 113-01*	CIS 115-01*	No offerings	CIS 100-01*	CIS 101-01*	CIS 102-01*
	CIS 103A-01*	CIS 114-01*	CIS 120C-01*		CIS 103A-01*	CIS 120B-01*	CIS 120C-01*
	CIS 120A-01*	CIS 120B-01*	CIS 191AK-01*		CIS 120A-01*		CIS 191AK-01*

*Online **Short-term Certificate courses

Please note: ART-111 "Two-Dimensional Design" is offered face-to-face in the fall quarter and DMA-121 "Artistic Concepts for the Web" is offered online every summer and winter quarter.

LTCC also offers an Associate Degree in *Computer and Information Sciences – Web Development*. For more information, go to our website at www.ltcc.edu and click on the "Academics" tab, click on "Academic Programs" and then click on "[Computer Information Sciences](#)".

To become a student at Lake Tahoe Community College, you will need to complete an online application before you can register for classes. Please go to our website at www.ltcc.edu/admissions and click on "Apply". Your application might take up to 24 hours to process prior to your being able to enroll in specific courses, so please be patient and check the LTCC email you are assigned for updates. Contact Enrollment Services at 530-541-4660 ext. 211 or enrollmentservices@ltcc.edu for information on assessment, orientation, and counseling. To view the schedule of current classes, go to LTCC's website at www.ltcc.edu and click on the "Academics" and the "[Schedule of Classes](#)" tab.