

UNITY PROGRAMMING, BASIC CERTIFICATE



College(s): KK

Program Code: 0434

The Unity Programming Basic Certificate program is designed to equip students with the knowledge, skills, and expertise required in computer programming game design. This comprehensive industry certificate program delves into Unity certificate, that is widely considered an entry level certification needed for employment as a game design computer programmer. Throughout the program, students will engage in hands-on learning experiences, collaborative projects, and industry-relevant coursework under the guidance of experienced instructors and industry professionals. By immersing themselves in real-world scenarios and practical challenges, students will develop a robust skill set that prepares them for success in the competitive landscape of game design.

Program Requirements

Code	Title	Hours
General Education Coursework		
MATH 118	General Education Math (or higher)	4
Required Program Core		
GAME 253	Game Design III	3
GAME 254	Game Programming	3
GAME 299	Game Studio	3
Total Hours		13

Pathway

This is an example course sequence for students interested in pursuing a Unity Programming Basic Certificate. This does not represent a contract or guarantee course availability. If this pathway is followed as outlined, students will earn a Basic Certificate (BC) in Unity Programming.

Semester-by-Semester Program Plan for Full-Time Students

Semester 1		Hours
MATH 118	General Education Math	4
GAME 253	Game Design III	3
Hours		7
Semester 2		Hours
GAME 254	Game Programming	3
GAME 299	Game Studio	3
Hours		6
Total Hours		13

All plans can be modified to fit the needs of part-time students by adding more semesters.

Careers

This program can prepare students for the jobs listed below. Click on each one to learn more, including average earnings, annual job openings, and how much education people in that field have. For additional guidance and resources on career options, current City Colleges students and alumni can contact the Career Services Office (<https://www.ccc.edu/departments/Pages/Career-Services.aspx>).

Web and Digital Interface Designers

Job Description

Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. May use web framework applications as well as client-side code and processes. May evaluate web design following web and accessibility standards, and may analyze web use metrics and optimize websites for marketability and search engine ranking. May design and test interfaces that facilitate the human-computer interaction and maximize the usability of digital devices,

websites, and software with a focus on aesthetics and design. May create graphics used in websites and manage website content and links.

Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

Annual Wages

Entry-Level 10 th Percentile	\$37,718
Median 50 th Percentile	\$79,771
Senior-Level 90 th Percentile	\$142,449

Hourly Wages

Entry-Level 10 th Percentile	\$18
Median 50 th Percentile	\$38
Senior-Level 90 th Percentile	\$68

Annual Job Openings

166 annual openings in Cook County

National Education Attainment

Here, you can see the level of education that people in this career complete.

Degree Program	% of Jobs
A high school diploma or less	12.50%
A certificate	16.67%
Some college	4.17%
An Associate degree	16.67%
A Bachelor's degree	50.00%
A Master's or Professional degree	0.00%
A Doctoral degree or more	0.00%

50.00% continue their education beyond an associate degree

Special Effects Artists and Animators

Job Description

Create special effects or animations using film, video, computers, or other electronic tools and media for use in products, such as computer games, movies, music videos, and commercials.

Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

Annual Wages

Entry-Level 10 th Percentile	\$43,738
Median 50 th Percentile	\$62,478
Senior-Level 90 th Percentile	\$127,409

Hourly Wages

Entry-Level 10 th Percentile	\$21
Median 50 th Percentile	\$30
Senior-Level 90 th Percentile	\$61

Annual Job Openings

98 annual openings in Cook County

National Education Attainment

Here, you can see the level of education that people in this career complete.

Degree Program	% of Jobs
A high school diploma or less	5.53%
A certificate	0.00%
Some college	39.68%
An Associate degree	1.70%
A Bachelor's degree	52.75%
A Master's or Professional degree	0.34%
A Doctoral degree or more	0.00%

53.09% continue their education beyond an associate degree