

# Computer Science

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South Seattle College

DISCOVER



SEATTLE COLLEGES

*North · Central · South*

# Computer Science

Computer science spans a wide range, from its theoretical and algorithmic foundations to cutting-edge developments in robotics, computer vision, intelligent systems, bioinformatics, and other exciting areas.

Computer scientists work on designing and implementing software, devising new ways to use computers, and developing effective ways to solve computing problems.

**South Seattle College offers this transfer program and all high school graduates are welcome!**

Some other names for Computer Science:  
Computer Engineering  
Information Systems  
Software Engineering



# What do you learn?

- Two fulltime and two parttime CS instructors w/ backgrounds in **Engineering, Math and Computer Science**
- Two primary programming languages are used – **Python and Java**
- A sequence of **three** foundational CS classes are offered covering:
  - **Computational Thinking Concepts**
  - **Software Development Processes**
  - **Fundamental Control Structures**
  - **Graphics**



# Your Class @ South Seattle

- About 60% of students belong to underrepresented groups and 50% of students are first generation students
- About 30% of the CS classes are women



# Pathway

- Transfer Program – 6 quarters before transferring to a 4-year college as a Junior
- Most students transfer to one of the three UW campuses – Seattle, Bothell and Tacoma, and complete 2 more years to receive a Bachelors Degree in CS


<b>Quarter 1 To-Do List</b>		<b>15 UNITS</b>
CSC110	Intro to Cmpr Progming	5 units
MATH&141	Precalculus I	5 units
CMST&220 or CMST&230	Choose a course	5 units
<b>Quarter 2 To-Do List</b>		<b>15 UNITS</b>
ENGL&101	English Composition I	5 units
MATH&142	Precalculus II	5 units
PHIL&120 or ECON&201	Choose a course	5 units
<b>Quarter 3 To-Do List</b>		<b>15 UNITS</b>
CSC142	Computer Programming I	5 units
MATH&151	Calculus I	5 units
SOC&101 or ANTH&100	Choose a course	5 units
<b>Quarter 4 To-Do List</b>		<b>15 UNITS</b>
PHYS&221	Engineering Physics I	5 units
MATH&152	Calculus II	5 units
ART210 or ART214	Choose a course	5 units
<b>Quarter 5 To-Do List</b>		<b>15 UNITS</b>
PHYS&222	Engineering Physics II	5 units
MATH&163	Calculus 3	5 units
BIOL&100 or CHEM&121	Choose a course	5 units
<b>Quarter 6 To-Do List</b>		<b>15 UNITS</b>
CSC143	Computer Programming II	5 units
PHYS&223	Engineering Physics III	5 units
ENGL&235 or POLS&202 or PSYC&100	Choose a course	5 units

# Student Engagement

- **Women-in-STEM Student Club**
- **#HourofCode**
- **Grace Hopper Celebration of Women in Computing**
- **WiSE Conference at UW**
- **College Visits**

HAVE YOU EVER DREAMED OF MAKING YOUR OWN:  
**Video games? Smartphone apps? Websites?**  
Do you want to leave your mark on the world?  
**COME LEARN HOW TO CODE!**

WOMEN IN STEM @ SOUTH SEATTLE COLLEGE PRESENTS:




**#HourofCode**

Starting May 9th  
Every other Friday  
From 1pm - 2pm in OLY 102

The Women in STEM club presents #HourofCode, an hour-long workshop for all students offered every other Friday, starting May 9th. Come learn about computer programming, how to make different kinds of software, and have fun writing your own applications. All are welcome!

For more information, visit:  
<https://sites.google.com/a/southseattle.edu/winstem> or <http://tinyurl.com/winstem>

**#HourofCode**  
**Code**  
WINTER QUARTER 2015



**Discover**  
WHAT LIES BENEATH  
THE SURFACE

Come find out how your favorite web apps work **beneath the surface** and learn how to build your own web programs!

EVERY **MONDAY** FROM  
**2:00PM - 3:00PM** IN  
OLYMPIC HALL (OLY) 206  
[HTTP://TINYURL.COM/HOC-GROUP](http://tinyurl.com/HOC-GROUP)

Hosted by Women in STEM Club  
<http://tinyurl.com/winstem>

South Seattle College does not discriminate against individuals on the basis of race, color, creed, national origin, sex, disability, age, religion, honorably discharged veteran or military status, or sexual orientation.

"The programmers of tomorrow are the wizards of the future."  
- Gabe Newell, Valve Software

"Whether you're trying to **make a lot of money**, or whether you just want to **change the world**, [coding] is an **incredibly empowering skill** to learn."  
- Hadi Partovi, Code.org

"Great coders are today's **rockstars**."  
- will.i.am, The Black Eyed Peas

**#HourofCode**  
SUMMER QUARTER, 2014

The Women in STEM club presents #HourofCode, two weekly hour-long workshops for **anyone** who wants to learn how to create their own:

**apps | websites | games | software**

Come join us at the following times:

<b>Tuesdays:</b> 10am - 11am Library 2nd Floor Room 217	<b>Thursdays:</b> 1pm - 2pm Library 2nd Floor Room 217
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Women in STEM

For more information, visit <http://tinyurl.com/winstem> or <https://sites.google.com/a/southseattle.edu/winstem/>

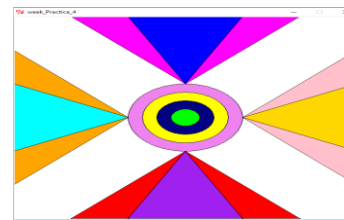
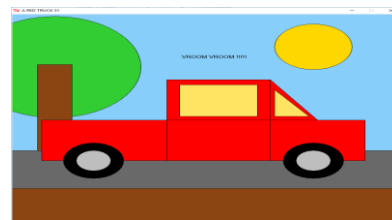
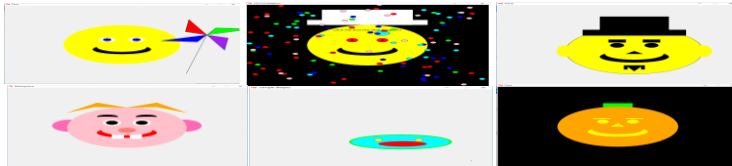
# Careers/Jobs

- Some jobs associated with this program:
  - **Computer Programmer**
  - **Database Administrator**
  - **Software Developer**
  - **Software Engineer**
  - **UX Designer**
  - **Game Designer**
- Our graduates typically work at:
  - **Amazon, Microsoft and other local technology companies**
- Average entry-level wages for local area: \$100K - \$120K



# Info and Q & A

<https://southseattle.edu/>  
<https://southseattle.edu/programs/computer-science>  
<https://www.seattlecolleges.edu/programs/college-transfer/transfer-agreements>  
<https://southseattle.edu/advising>





# Next Session

Return to Main Session

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