

**Classes will fill up quickly...  
Begin planning NOW!**

# Computer Science & Information Technology

Do you love technology? Do you enjoy doing cool things? Come to SSCC and take classes in Computer Science!

Learn from Josh Montgomery (*Computer Science Faculty at SSCC*) who is dedicated to helping students, like YOU, make the most of any passion or dream you may have in computer technology. Get the opportunity to dream up projects and have support to design, program and build those projects! Sounds like fun right?



## Class offerings this Fall and Spring are listed below:

### Fall Semester | Classes begin August 19, 2019 -- REGISTER NOW

- **IT Fundamentals** – Learn the basics of computer hardware and prepare for the A+ core 1 exam
- **Introduction to Computer Programming** – Learn how to program using Python
- **Linux** – Learn Linux and how to make things move by using a Raspberry Pi computer
- **CompTIA Security +** – Learn the importance of computer security as you prepare for the Security + exam
- **CISCO Introduction to Networks** – Learn how to program switches and routers in this certified course

### Spring Semester | Classes begin January 13, 2020 -- Registration begins November 5, 2019

- **IT Essentials** – Learn the basics of computer operating systems and prepare for the A+ core 2 exam
- **Microcontroller Programming** – Learn all about computer programming and how to make robots using an Arduino
- **Server Administration** – Learn how to build all the essential server services on premise and in the cloud.
- **CISCO Routing and Switching Essentials** – Complete your understanding of computer networking and take your CCENT exam.
- **Computer Information Technology Capstone** – Combine your skills to program, build or design a special project of your choosing



### HAVE QUESTIONS?

Call Josh Montgomery  
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Visit <http://www.sccc.edu/academics/associate/computer-information-technology.shtml>



**SOUTHERN STATE**  
COMMUNITY COLLEGE

Check out these exciting projects!

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## UPCOMING CLASS PROJECTS

Enroll by Fall Semester to be involved with some core projects that students are building and developing in the lab.

Highlighted projects will include:

- **Mars Rover** – Students are building a scaled version of the NASA Mars Rover. NASA is involved in this project.
- **BB8 Droid from Star Wars** - Students will 3D print a full scale BB8 and make him move with lights and sounds.
- **Pi Super Computer** – Students will build a Super Computer composed of 380 Raspberry Pi Computers clustered to build one computer that will be used in programming and crunching data.

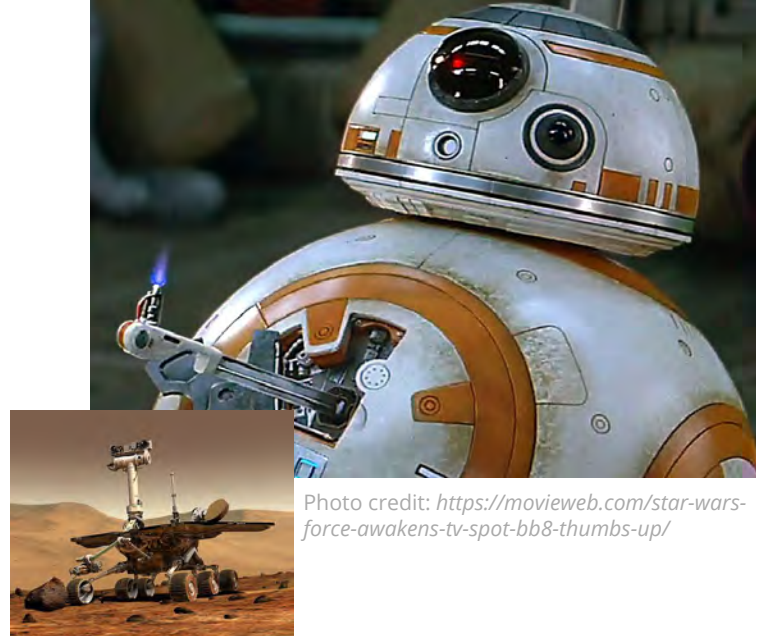
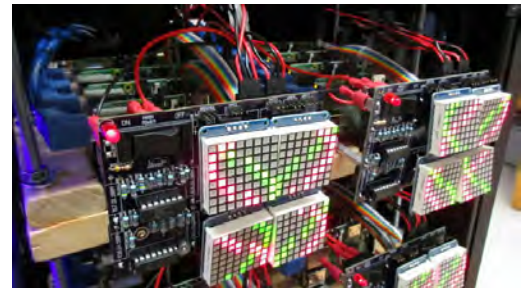


Photo credit: <https://movieweb.com/star-wars-force-awakens-tv-spot-bb8-thumbs-up/>

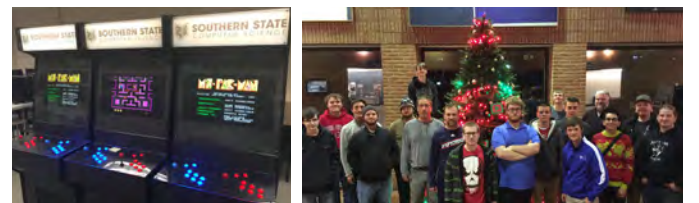
## COMPUTER SCIENCE LAB UPDATES

Due to winning the Rapids Grant the Computer Science lab in room 101 at the Central Campus in Hillsboro will be **equipped with \$125,000 worth of new technology** this coming Fall Semester. Highlights of that purchase include a \$42,000 Maker Bot 3D printing lab, a \$10,000 3D Mobile Scanner and a \$40,000 Super Computer.



## COMPLETED CLASS PROJECTS

Interactive Christmas tree, Full Size Arcade Cabinets, Interactive Mirrors, Pixel Matrix Displays, Tesla Coil, Google Home APX systems, Drone, Pi Video Streamer, Pi Cluster, Pi Security Cameras, Pi Game Consoles, R Fid Door Knob Security System, IP Phone System and Solar Panels. What's next? Well, you will have to take a class to find out!



**CONNECT with Southern State today to begin your pathway in Computer Science!**



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