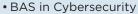# COMPUTER SCIENCE AND COMPUTER INFORMATION SYSTEMS AT HIGHLINE COLLEGE

Students with a passion for learning how computers are built and operate, cybersecurity, digital forensics and investigations, building interactive websites, animation and computer graphics, global marketing strategies, and building mobile applications will want to investigate the Computer Science and Computer Information Systems (CS/CIS) programs.

The CS/CIS department works closely with industry professionals to ensure students learn the most relevant skills and are prepared with marketable talents. Our curriculum includes opportunities for hands-on experience through supervised internships and partnerships with community organizations and businesses.

The CS/CIS Department at Highline College prepares students to be successful in a variety of Information Technology related careers including:

• Computer Programmers
• Network Security Engineers
• Mobile Technology Experts
• Web/Database Developers
• Data Recovery and Forensics Specialists
• Online Marketing and Social Media Architects
• Technical Communications
• Information Systems Project Coordinators
• BAS in Cybersecurity

CONNECT WITH US

Visit
Highline College's Computer Information Systems and Computer Science website at:
cis.highline.edu

Contact Us
Amelia Phillips
Networking, Data Recovery/Forensics
(206) 592-3497
aphillips@highline.edu

Ravinder Kang
CS, Gaming, Mobile App, Web Development
Phone: (206) 592-3337
rkang@highlie.edu

Chun Yu
Networking, Data Recovery/Forensics
(206) 592-3133
cyu@highline.edu

HIGHLINE COLLEGE
highline.edu

(206) 878-3710
2400 S. 240th Street • Des Moines, WA 98198

HIGHLINE COLLEGE
cis.highline.edu

Computer Sciences and Computer Information Systems Programs

ABOUT US
Highline College is nationally and internationally recognized as a premier community college, a reputation earned through the development of an institutional culture that values innovation, globalization of curriculum, and community participation.

Highline is one of 34 community and technical colleges in Washington State and was founded in 1961 as the first community college in King County. The original campus was built in 1964 and was expanded in following years to meet student and technology needs. The college is accredited by the Northwest Commission on Colleges and Universities.

STUDENT DEMOGRAPHICS
Highline College has almost 17,000 credit and non-credit students. Approximately 92 percent of coming from King County and over 700 are international students. The median age of Highlines' student population is 23.

HIGHLINE STUDENTS BY CITY

City	Percent
Federal Way	**20.7%**
Kent	**18.0%**
SeaTac	**13.7%**
Des Moines	**12.4%**
Auburn	**8.2%**
Burien	**7.1%**
Seattle metro	**5.1%**
Tacoma metro	**4.1%**
Renton	**3.5%**
Tukwila	**1.0%**
Other (cities<**1%**)	

WEB/DATABASE DEVELOPMENT

Highline's Web/Database Development program teaches students to design and create dynamic, date-driven websites for small to mid-size businesses.

Highline works closely with industry professionals to ensure that students are learning the most relevant and marketable skills. Highline also ensures that graduates are well prepared to help meet the huge demand for web developers in the Puget Sound region

Students in the Web/Database Development program learn through internships and real-world projects.

NETWORK SECURITY ENGINEER

Network Security Engineer program graduates perform a wide variety of technical duties. In roles such as network administrator ad network specialist, they maintain network hardware and software.

Network specialists analyze, design install, test, ad support systems such as local area networks (LANs), and wide area networks (WANs), Internet, intranet, and other data communications systems. They provide day-to-day on-site administrative support for network users in a variety of work environments. Net-work administrators also may plan, coordinate and implement network security measures.

DATA RECOVERY AND FORENSICS

The Data Recovery/Forensics Specialist program prepares graduates for entry-level positions in data recovery services at businesses, government, and law enforcement agencies. The experience teachers at Highline teach students to perform computer forensics analyses, examine how malicious code behaves on networks, and implement an organization's information security plan. Students learn to use hardware and software tools to recover lost or corrupted data from hard drives and other storage media. They use forensics techniques to determine the reason for data loss. They may also monitor the network for security breaches, respond to cyberattacks, and in some cases, gather data and evidence to be used in prosecuting cyber-crime.

ONLINE MARKETING & SOCIAL MEDIA ARCHITECT

Online marketing is the fastest growing portion of the marketing industry. This program will equip students to create good quality content and utilize effective online marketing strategies including SEO (Search Engine Optimization) and social media.

To succeed in the field students will need knowledge in the technical aspect of the Internet, social media, content creation skills, and business. Jobs in these fields include Social Media Strategist, Social Media Manager, and Internet Marketing.

MOBILE TECHNOLOGY EXPERT

Mobile applications are driving new ways for doing business and experts in the Mobile Technology field are in demand. Building mobile apps, creating mobile strategies, and securing devices are the top concerns for businesses today.

The Mobile Technology Expert degree provides students the needed skills in development, security, and hardware support. Jobs in this specialty will include Wireless Technical Support or Mobile Technology Architect

TECHNICAL COMMUNICATION

Demand for specialists in Technical Communication is growing quickly and according to CNN it is among the top 50 Best Jobs in America. The ability to create high quality technical content for internal and end user communication requires specific skills in IT technical tools coupled with communication and writing skills.

Students will learn about technical documentation, marketing and sales literature, learning and training materials, and technical editor. Job descriptions in this area would include Technical Author and Technical Writer.

INFORMATION SYSTEMS PROJECT COORDINATOR

Highline Community College's Information Systems Project Coordinator program pre-pares the student for an entry level position as a supervisory/project manager in the IT field.

Project Coordinators provide day-to-day administration of projects and ensure that services or products are delivered in a timely, cost effective, and qualitative manner.

Students should currently be working in or have supervisory/managerial skills gained in a commercial environment. The program will equip students with the tools and skills required in becoming a proficient Project Coordinator of IT projects.

There are six specialization tracks within the Information Systems Project Coordinator Associate of Applied Science degree:
- Web Development
- Software Development
- Networking
- Computer Forensics
- E-commerce
- Database Design/Development

COMPUTER SCIENCE TRANSFER DEGREE (AA & AS)

Graduates in the Highline Computer Transfer program have many options for transferring to a four-year college or university: public and private, in-state and out-of-state. There are many bachelor's degree programs not only in Computer Science, but also in Information Tech-nology, Informatics, and Computer Engineering.

Students have two degree options depending on where the student intends to transfer. The AA degree offers the best option for most in-state four-year Computer Science programs. The University of Washington (Seattle campus) and some private schools prefer the AS degree option. Highline Computer Sciences degree program credits will transfer to a large number of partnering institutions.

This AAS Degree is not a transfer degree, with the exception of Central Washington University's (Des Moines campus) BAS in Information Technology and Administrative Management and Highline College's BAS in Cybersecurity and Forensics. If you are interested in transferring to another four-year university, see the Computer Science Transfer degrees.