

COMPUTERS AND INFORMATION SYSTEMS



Global Information security analysts' jobs are predicted to grow by 37% from now until 2020 and the average starting salary for that job is \$86,170 according to the Occupational Outlook Handbook. The Handbook also notes that one of the highest paying jobs is that of computer and information systems manager, with starting salaries of about \$120,950 per year. These are just two examples of the many fields that you can expect to intern and be hired in with a degree in CIS.

Global business technology has its foundation in the support of professionals who form the information systems (IS) field. From webinars to databases and cloud technology, this infrastructure is designed and supported by professionals in the information systems field. Information systems keep businesses running efficiently and securely while also providing a competitive edge. IS professionals design solutions to businesses' most daunting challenges and lead the way for change.

There are thousands of career opportunities for those who can design and secure a networked system or

analyze a business requirement and design an improved work flow or think critically to solve technology problems facing businesses today. These careers range from Systems and Database Analysts to IS managers, web designers and network administrators to security specialists.

Computers & Information Systems at King's College

King's provides students not only with strong technical skills but also the cognitive tools that allow students to apply their knowledge to solve the technical problems that are faced by businesses today. The skills and knowledge learned in the Computers and Information Systems (CIS) department are all enriched by the Core liberal arts curriculum and moral foundation taught at King's. Students will graduate with interpersonal skills as well as their technical skills.

The Computers and Information Systems Department offers a quality liberal arts education that directly supports the mission of King's College by preparing students for a successful career

in the Information Systems profession and by instilling the knowledge, experiences, and core values required for continued professional development and lifelong learning.

With the addition of the SAP University Associates program at King's College our students are provided with hands-on opportunities to work with large databases and solve real world problems with actual ERP software. Additionally, they are networked with SAP partners who can provide internship and career opportunities.

Many people who have earned a degree in Computers and Information Systems from King's have flourished in the workforce and in graduate school. Listed below are just a few of the places where our alumni have found success:

- The George Washington University, graduate studies
- Alltel, senior computing analyst
- Blue Cross of Northeast PA, systems engineer
- Little Room Studios, web developer
- Stone Edge Technologies, computer information technologist
- U.S. Postal Service, programmer

To learn more about majoring in Computers and Information Systems at King's College, please contact the Office of Admission at 1-888-KINGS PA or admissions@kings.edu.

Computers and Information Systems

(121 Credit Hours - General Track)

Suggested Sequence

- Use the information below as a guide when selecting courses.
- Consult your Academic Advisor prior to course registration.
- Refer to the King's College Catalog and/or website for course titles and descriptions.
- Choose one course from each CORE category as listed for Computers and Majors
 - CORE courses may be taken in any order approved by the academic advisor with the following conditions:
 - CORE 100 and CORE 110 should be taken in the first year.
 - CORE 115 (or 116) should be taken within the first two years.
 - For students selecting a Foreign Language (CORE 14x), every effort should be made to register for that language in the first semester at King's.

1 st Year - Fall		1 st Year - Spring	
	cr.		cr.
CIS 106 IT Methods & Procedures	3	CIS 119 Microcomputer Principles (<i>spring only</i>)	3
CIS 116 Fund. of Programming I (<i>fall only</i>)	3	CIS 117 Fund. of Programming II (<i>spring only</i>)	3
CIS 116L Fund. of Program. I Lab (<i>fall only</i>)	0	CIS 117L Fund. of Program. II Lab (<i>spring only</i>)	0
MSB 110 Intro. To Financial Accounting	3	MSB 120 Intro. to Management Acct. & Plan.	3
CORE	3	MATH 123 Finite Math	3
CORE	3	CORE	3
CORE 090 First Year Experience	1		
	16		15
2 nd Year – Fall		2 nd Year – Spring	
CIS 244 Structured Programming (<i>fall only</i>)	3	CIS 251 WEB-based Info. Systems (<i>spring only</i>)	3
CIS 255 Geographic Info. Systems (<i>fall only</i>)	3	ECON 221 Quant. Methods for Bus. & Econ. I	
CORE	3	<u>OR</u> MATH 126 Intro to Statistics	3
CORE	3	CORE	3
CORE	3	CORE	3
CORE	3		
	15		15
3 rd Year – Fall		3 rd Year – Spring	
CIS 351 Syst. Analysis, Design, & Impl. I (<i>fall only</i>)	3	CIS 352 Syst. Analysis, Design, & Impl. II (<i>spring only</i>)	3
CIS 385 Data Communications I (<i>fall only</i>)	3	CIS 386 Data Communications II (<i>spring only</i>)	3
CORE	3	CIS 356 Database Management Syst. (<i>spring only</i>)	3
CORE	3	CORE	3
Free Elective	3	Free Elective	3
	15		15
4 th Year – Fall		4 th Year – Spring	
CIS 499 CIS Internship	3	CIS 471 Global Information Systems	3
CIS 472	3	CIS 487 Network Security	3
CORE	3	CORE	3
CORE	3	CORE	3
Free Elective	3	Free Elective	3
	15		15
Total Credits Required for Graduation = 121			