

This degree requires a minimum of 120 credit hours to graduate (at least 36 credit hours must be upper-division, 300 or 400-level) and a cumulative GPA of 2.0. A minimum of 30 credit hours must be earned at Park.

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION SYSTEMS Chair, Bin "Crystal" Peng, Ph.D. (crystal.peng@park.edu)

Catalog AY19-20

MAJOR MAP

BACHELOR OF SCIENCE IN INFORMATION AND COMPUTER SCIENCE - INFORMATION TECHNOLOGY

Purpose Statement: This degree equips students to apply problem-solving and critical-thinking skills and use popular computer technologies in producing technology solutions. It prepares students for a wide range of jobs in the field of information technology. In addition to learning about traditional computer-related areas, students choose two 3-course clusters in areas of interest that partner with the information technology field. For example, criminal justice and geographic information systems (GIS) are two such clusters.

Example Career Info:

- Occupational Outlook Handbook > Computer Support Specialist: https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm
- O*NET Online > Computer User Support Specialists: https://www.onetonline.org/link/summary/15-1151.00

	Credit Hours
University Graduation Requirements – BS	•
LE 100 First-Year Seminar (first-time freshman only; waived for transfer students)	3
EN 306 Professional Writing in the Disciplines, or departmental equivalent	3
University Liberal Education Requirements	•
EN 105 First-Year Writing Seminar I	3
EN 106 First-Year Writing Seminar II	3
CS 140 Introduction to Computers, or higher CS course, or departmental equivalent (will be satisfied in core)	*
MA 120 Basic Concepts of Statistics, MA 135 College Algebra, or higher MA course (will be satisfied in core)	*
Communication requirement (CA 103 Oral Communication, CA 105 Introduction to Human Communication, or TH 105	3
Oral Communication)	
Citizenship requirement	3
Ethics requirement (will be satisfied in core)	*
Science course that has a lab	4
LE Natural and Physical Science Elective (except computer science)	3
LE Social Science Elective	6
LE Arts & Humanities Elective	6
LE 300 Seminar in Integrative and Interdisciplinary Learning	3
Requirements for the Major	
Core Curriculum	21
CS 152 Introduction to Python Programming	3
CS 208 Discrete Mathematics	3
CS 300 Technology in a Global Society (departmental equivalent LE Ethics course)	3
CS 365 Computer Networking	3
IS 205 Managing Information Systems	3
IS 361 Data Management Concepts	3

This guide is not a substitute for academic advisement.

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Recommended Schedule

Plan A: you already have MA125 or equivalent, or have tested out. CS152 and CS208 require MA125>=C. Take Park's math placement test ASAP to know which math course you should start with.

First Year – Fall (15 cr.)	First Year – Spring (15 cr.))
CS152	IS205
CS208	MA120
LE100	EN106
EN105	LE elective 2
LE elective 1*	LE elective 3
Second Year – Fall (15 cr.)	Second Year – Spring (16 cr.)
CS365	CS335
CS319	Cluster course 1
LE elective 4	Cluster course 2
LE elective 5	LE elective 7
LE elective 6	LE science with a lab (4 cr.)
Third Year – Fall (15 cr.)	Third Year – Spring (15 cr.)
IS361	CS300
EN306	Cluster course 5
Cluster course 3	Cluster course 6

Cluster course 4	Additional course 2
Additional course 1 [†]	Additional course 3
Fourth Year – Fall (15 cr.)	Fourth Year – Spring (14 cr.)
CS369	Additional course 7
LE300	Additional course 8
Additional course 4	Additional course 9
Additional course 5	Additional course 10
Additional course 6	Additional course 11

Plan B: you need to take MA125. CS152 and CS208 require MA125>=C.

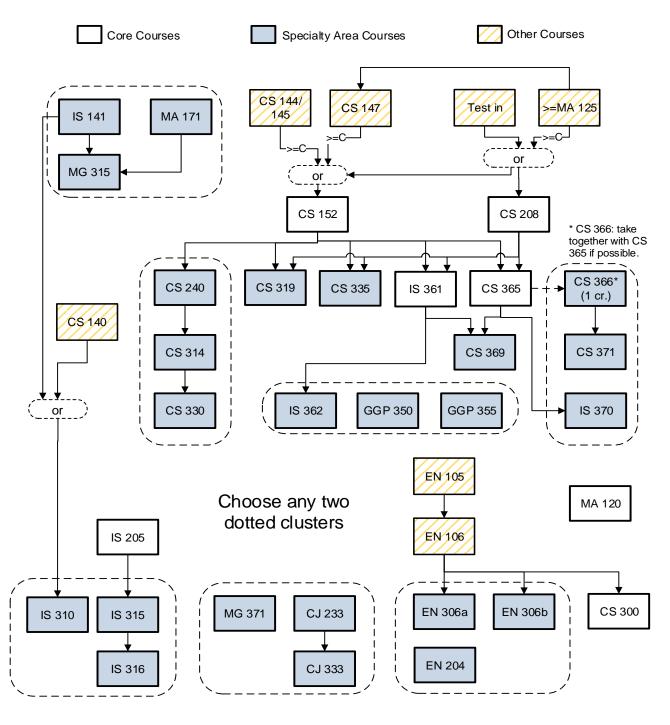
First Year – Fall (15 cr.)	First Year – Spring (15 cr.))
MA125 (additional course 1†)	CS152
LE100	CS208
EN105	EN106
LE elective 1*	LE elective 3
LE elective 2	LE elective 4
Second Year – Fall (15 cr.)	Second Year – Spring (16 cr.)
CS365	CS335
CS319	MA120
IS205	Cluster course 1
LE elective 5	LE elective 7
LE elective 6	LE science with a lab (4 cr.)
Third Year – Fall (15 cr.)	Third Year – Spring (15 cr.)
Third Year – Fall (15 cr.) IS361	Third Year – Spring (15 cr.) CS300
IS361	CS300
IS361 EN306	CS300 Cluster course 4
IS361 EN306 Cluster course 2	CS300 Cluster course 4 Cluster course 5
IS361 EN306 Cluster course 2 Cluster course 3	CS300 Cluster course 4 Cluster course 5 Additional course 3
IS361 EN306 Cluster course 2 Cluster course 3 Additional course 2	CS300 Cluster course 4 Cluster course 5 Additional course 3 Additional course 4
IS361 EN306 Cluster course 2 Cluster course 3 Additional course 2 Fourth Year – Fall (15 cr.)	CS300 Cluster course 4 Cluster course 5 Additional course 3 Additional course 4 Fourth Year – Spring (14 cr.)
IS361 EN306 Cluster course 2 Cluster course 3 Additional course 2 Fourth Year – Fall (15 cr.) CS369	CS300 Cluster course 4 Cluster course 5 Additional course 3 Additional course 4 Fourth Year – Spring (14 cr.) Additional course 7
IS361 EN306 Cluster course 2 Cluster course 3 Additional course 2 Fourth Year – Fall (15 cr.) CS369 LE300	CS300 Cluster course 4 Cluster course 5 Additional course 3 Additional course 4 Fourth Year – Spring (14 cr.) Additional course 7 Additional course 8

^{*} LE (Liberal Education) Elective: aside from EN105, EN106, CS300 (LE Ethics), Science course with a lab (4 hrs), you will need 7 more LE courses: 1 LE Communication, 1 LE Natural Science, 1 LE Citizenship, 2 LE Social/ADM Science (Social Science), and 2 LE Humanities. For a list of qualifying courses, see Liberal Education Requirements section in the degree description of this program in the catalog: https://catalog.park.edu/.

[†] Additional Course: any additional courses in or outside of the major. You need 32-34 hrs (11-12 additional courses) to reach 120 hrs.



B.S. in Information and Computer Science Specialty Area – Information Technology



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