

# Undergraduate and BS/MS Fall Semester Enrollment Guide

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For students on old **QUARTER** CS curriculum (see worksheet example below). If you are unsure which curriculum you are on, please check your Individualized Advising Plan (IAP) or with your academic advisor.

## Appropriate Computer Science Electives Offered Fall Semester 2131 (and their quarter pre-requisites)

- CSCI 243 The Mechanics of Programming (4003-243)
- CSCI 251 Concepts of Parallel & Distributed Systems (4003-334)
- CSCI 261 Analysis of Algorithms (4003-334 & 1016-366)
  - You cannot take this course if you have already completed 4003-515 Analysis of Algorithms
- CSCI 320 Principles of Data Management (4003-334)
  - You cannot take this course if you have already completed 4003-485 Data Base Concepts
- CSCI 331 Intro to Intelligent Systems (4003-515 & 1016-351)
  - You cannot take this course if you have already completed 4003-455 Artificial Intelligence
- CSCI 352 Operating Systems (4003-420 OR CSCI 251 Concepts of Parallel and Distributed Systems)
- CSCI 420 Principles of Data Mining (a year of programming & 1016-351)
  - You cannot take this course if you have already completed 4003-487 Principles of Data Mining
- CSCI 431 Intro to Computer Vision (4003-455)
  - You cannot take this course if you have already completed 4003-457 Intro to Computer Vision
- CSCI 462 Intro to Cryptography (4003-334 & 1016-265)
  - You cannot take this course if you have already completed 4003-482 Cryptography
- CSCI 510 Intro to Graphics (4003-334)
  - You cannot take this course if you have already completed 4003-570 Computer Graphics I
- CSCI 519 Seminar in Computer Graphics (4003-570)
- CSCI 531 Intro to Security Measurement (4003-420 & 4003-440)
  - You cannot take this course if you have already completed 4003-546 Security Measurement & Testing
- CSCI 541 Programming Skills (4003-450)

## Course You Cannot Take For Computer Science Electives

- CSCI 250 Concepts of Computer Systems

## Co-op

Students must have 2<sup>nd</sup> year status to co-op. Any permission exceptions to co-op must be pre-approved by the CS Undergraduate Coordinator in writing. If you want to co-op for longer than two consecutive terms, or if you want to end on a co-op term, you need permission from Henry Etlinger at [hae@cs.rit.edu](mailto:hae@cs.rit.edu).

# Undergraduate Computer Science Worksheet

## BS in Computer Science

VCSG / Full-time Students

VCSX / Part-time and Evening Students

Name \_\_\_\_\_

Entry Term \_\_\_\_\_

Transfer School(s) \_\_\_\_\_

### Required Computer Science (44 QH) (see back)

Year	Course #	Course Name	QH	GR	QTR
1-2	4003-241	Problem-Based Intro to CS			
	4003-242	Data Structures for Problem Solving			
	4003-243	Object-Oriented Programming			
	4003-334	Computer Science 4			
	4003-341	Professional Communications			
	4003-345	Computer Organization			
	4010-361	Software Engineering			

Year	Course #	Course Name	QH	GR	QTR
3-5	4003-380	Introduction to CS Theory			
	4003-420	Data Communications & Networks I			
	4003-440	Operating Systems I			
	4003-450	Programming Language Concepts			

### Computer Science Electives (24 QH)

Year	Course #	Course Name	QH	GR	QTR
3-5	-----	CS Related Elective _____			
	-----	CS Related Elective _____			
	-----	_____			
	-----	_____			
	-----	_____			

### Mathematics (24 QH) (see back regarding Calculus)

Year	Course #	Course Name	QH	GR	QTR
1-2	-----	_____			
	-----	_____			
	-----	_____			

Year	Course #	Course Name	QH	GR	QTR
1-2	1016-265	Discrete Mathematics I			
	1016-351	Probability			
	1016-366	Discrete Mathematics II			

### Science (20 QH minimum)

One Lab Science Sequence is required.

Check the box that matches the sequence you select.

University Physics (see back)

Year	Course #	Course Name	QH	GR	QTR
1-2	1017-311	University Physics I			
	1017-312	University Physics II			
	1017-313	University Physics III			

General and Analytical Chemistry

Year	Course #	Course Name	QH	GR	QTR
1-2	1011-215	General & Analytical Chemistry I			
	1011-205	Chemistry Principles I Laboratory			
	1011-216	General & Analytical Chemistry II			
	1011-206	Chemistry Principles II Laboratory			
	1011-217	General & Analytical Chemistry III			
	1011-227	General & Analytical Chemistry III Lab			

General Biology

Year	Course #	Course Name	QH	GR	QTR
1-2	1001-201	General Biology			
	1001-205	General Biology Laboratory			
	1001-202	General Biology			
	1001-206	General Biology Laboratory			
	1001-203	General Biology			
	1001-207	General Biology Laboratory			

Year	Course #	Course Name	QH	GR	QTR
3-5	-----	Science Elective			
	-----	Science Elective			

### Liberal Arts (52 QH)

Year	Course #	Course Name	QH	GR	QTR
1-2	0502-227	Writing			
	0510/11/13/14/15	Social Science			
	0510/11/13/14/15	Social Science			
	0504/05/07/08/09	Humanities			
	0504/05/07/08/09	Humanities			
	05xx-319/xxx	Arts of Expression			
	0508-xxx	Ethics (see back of worksheet)			

Year	Course #	Course Name	QH	GR	QTR
3-5	-----	Liberal Arts Minor or Concentration			
	-----	Liberal Arts Minor or Concentration			
	-----	Liberal Arts Minor or Concentration			
	-----	Liberal Arts Minor or Upper Level Elective			
	-----	Liberal Arts Minor or Upper Level Elective			
	-----	Liberal Arts Upper Level Elective			

### Related Electives (12 QH)

Year	Course #	Course Name	QH	GR	QTR
3-5	-----	_____			
	-----	_____			
	-----	_____			

### Free Electives (12 QH)

Year	Course #	Course Name	QH	GR	QTR
3-5	-----	_____			
	-----	_____			
	-----	_____			

### First Year Requirement (2 QH) (see back)

Year	Course #	Course Name	QH	GR	QTR
1	1720-050/051	Discovery			
	1720-xxx	Pathways			

### Wellness Education (0 QH)

Year	Course #	Course Name	GR	QTR
1-5	1108-1114	Activity 1 _____		
	1108-1114	Activity 2 _____ (different from Activity 1)		

### Cooperative Education (0 QH)

Minimum of four blocks required.

Year	QTR	QTR	QTR	QTR	QTR
3-5	_____	_____	_____	_____	_____

### Completion

Year	Type	Required (QH)	Transferred	Taken
1-5	Computer Science	68		
	Mathematics	24		
	Science	20		
	Liberal Arts	52		
	Related Electives	12		
	Free Electives	12		
	First Year Requirement	2		
	Wellness	0		
	<b>Total</b>	<b>190</b>		
	Co-op			

Evaluated by \_\_\_\_\_

Date \_\_\_\_\_

Rev. History  
Effective 20111

Additional notes on back

