

# Computer Science (BCOS) Tracking Sheet Catalog Year 2017-2018

**Note:** This is an example schedule; many courses are offered in other semesters (see reverse side). If you overload, withdraw, transfer, or fail courses, meet with your advisor to build a viable schedule.

Fall	Spring	Summer
<b>Freshman (0-31 earned hours)</b>		
R-L-C†	R-L-C†	
COMP1000 Computer Science I 3-2-4	COMP1050 Computer Science II 3-2-4	
MATH2300 Discrete Math 4-0-4	COMP1200 Computer Organization 3-2-4	
MATH1775 Integrated Eng Calculus I 4-0-4	MATH1875 Integrated Eng Calculus II 4-0-4	
ENGLISH English Sequence 4-0-4	ENGLISH English Sequence 4-0-4	
<b>Sophomore (32-63 earned hours)</b>		
R-L-C†	R-L-C†	
COMP2000 Data Structures 3-2-4	COMP2350 Algorithms 3-2-4	COOP3000 Pre Co-op Work Term (Optional)
COMP2100 Network Programming 3-2-4	COMP2650 Databases 3-2-4	
MATH2860 Linear Algebra & Matrix Theory 4-0-4	MATH2100 Prob & Stats for Engineers 3-2-4	
HUSS Humanities/Social Science Elective <sup>1</sup> 4-0-4	HUSS Humanities/Social Science Elective <sup>1</sup> 4-0-4	
<b>Junior (64-95 earned hours)</b>		
R-L-C†		R-L-C†
COMP3400 Operating Systems 3-2-4	COOP3500 Co-op Education 1 (Required)	COMP3350 Programming Languages 3-2-4
COMP Computer Science Elective <sup>2</sup> 3-2-4		COMP3450 Parallel Computing 3-2-4
MATHSCI Math/Science Elective <sup>3</sup> 3-2-4		COMP Computer Science Elective <sup>2</sup> 3-2-4
HUSS Humanities/Social Science Elective <sup>1</sup> 4-0-4		MATHSCI Math/Science Elective <sup>3</sup> 3-2-4
<b>Senior (96+ earned hours)</b>		
	R-L-C†	R-L-C†
COOP4500 Co-op Education 2 (Required)	COMP4960 Software Engineering 3-2-4	COMP5500 Senior Project 1-6-4
	COMP Computer Science Elective <sup>2</sup> 3-2-4	COMP Computer Science Elective <sup>2</sup> 3-2-4
	COMP Computer Science Elective <sup>2</sup> 3-2-4	MATHSCI Math/Science Elective <sup>3</sup> 3-2-4
	HUSS Humanities/Social Science Elective <sup>1</sup> 4-0-4	HUSS Humanities/Social Science Elective <sup>1</sup> 4-0-4

†R-L-C means Recitation, Lab, and Credit hours

Updated: June 2017

Notes	Registration and Degree Troubleshooting <sup>4</sup>	Important Contacts (other than your advisor)
<sup>1</sup> At least one elective must be from the social sciences (COMM, ECON, POLS, PSYC, SOCL); at least one elective must be from the humanities (HIST, HUMN, LITR, PHIL); one selection must be an Ethics course	If you cannot register for a course <b>before or during</b> Drop/Add period: Freshmen: obtain a registration code from your advisor For time conflicts or overloads, submit a <b>registration override form</b> For COMP courses, submit an <b>override authorization form</b>	COMP Dave Albanese Dept Coordinator x4272 COMP Charlie Wiseman Dept Chair x4704 NON-COMP Lisa Manness Beatty 304 x4370 Transfer Daniel Roark Williston 103 x4099
<sup>2</sup> See reverse side for elective list; at least two must be advanced CS electives	To drop or add a course <b>after</b> Drop/Add period has ended: Submit a <b>course withdrawal form</b> or a <b>late registration form</b>	COOP Chris McIntyre Wentworth 101 x4101 HUSS Ron Bernier Beatty 407 x4353
<sup>3</sup> Any science elective (except for PHYS1000/PHYS1500) or any Applied Math minor course; at least one elective must be a 3-2-4 lab science	For courses not used in your degree, submit a <b>course substitution form</b>	MATH Amanda Hattaway Ira Allen 319 x4368
<sup>4</sup> See your degree audit and advisor first; the dept coordinator has forms	For other degree issues, visit the student service center	MORE See: <a href="https://wit.edu/wentworth-directory">https://wit.edu/wentworth-directory</a>

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Please consult the latest version of this document before scheduling electives, as offerings (and semester availability) may change without notice.

## BCOS Requirements

	Fall	Spring	Summer
COMP1000 Computer Science I	•	•	
MATH2300 Discrete Math	•	•	•
MATH1750 Engineering Calculus I	•	•	
COMP1050 Computer Science II	•	•	
MATH1850 Engineering Calculus II	•	•	•
COMP1200 Computer Organization	•	•	
COMP2000 Data Structures	•	•	
COMP2100 Network Programming	•	•	
MATH2860 Linear Algebra & Matrix Theory	•	•	
COMP2350 Algorithms	•	•	
COMP2650 Databases	•	•	
MATH2100 Prob & Stats for Engineers		•	•
COMP3400 Operating Systems	•		
COMP3350 Programming Languages			•
COMP3450 Parallel Computing			•
COMP4960 Software Engineering			•
COMP5500 Senior Project			•

## Advanced CS Electives\*

COMP4700 Artificial Intelligence
COMP3200 Assembly Language
COMP4460 Compilers
COMP4450 Systems Programming

## CS Electives\*\*

COMP4150 Advanced System Administration
COMP3750 Intro to Biostatistics
COMP4050 Machine Learning
COMP3660 Mobile App Development
COMP4950 Project Management
COMP2500 Security Principles
COMP3100 System Administration
COMP4650 Web Development

### Elective Notes

- \*Advanced CS electives have at least COMP2000 & COMP2350 as prerequisites
- \*\* Check the course catalog for prerequisite information for individual electives
- Independent/external studies require department approval
- Special topics courses require department approval to count as electives

## Prerequisite Flowchart

