

# Computer Networking (BSCN) Tracking Sheet Catalog Year 2020-2021

**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†	
COMP1100 Introduction to Networks 3-2-4	COMP1150 Routing and Switching 3-2-4	
COMP1000 Computer Science I 3-2-4	COMP1050 Computer Science II 3-2-4	
ENGLISH English Sequence 4-0-4	ENGLISH English Sequence 4-0-4	
MATH1500 Precalculus 4-0-4	MATH2300 Discrete Math 4-0-4	
<b>Sophomore (32-63 earned hours)</b>		
R-L-C†	R-L-C†	
COMP1200 Computer Organization 3-2-4	COMP2650 Databases 3-2-4	COOP3000 Pre Co-op Work Term (Optional)
COMP2500 Security Principles 3-2-4	COMP2150 Network Administration 3-2-4	
HUSS Humanities/Social Science Elective <sup>1</sup> 4-0-4	COMP2160 Wireless Networks 3-2-4	
MATH1030 Statistics and Applications 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†
COMP3500 Network Security 3-2-4	COOP3500 Co-op Education 1 (Required)	COMP3550 Computer Security 3-2-4
COMP3100 System Administration 3-2-4		COMP Computer Networking Elective <sup>2</sup> 3-2-4
COMP Computer Networking Elective <sup>2</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		MATH1900 Intro to Operations Research 4-0-4
<b>Senior (96+ earned hours)</b>		
	R-L-C†	R-L-C†
COOP4500 Co-op Education 2 (Required)	COMP4950 Project Management 3-2-4	COMP5500 Senior Project 1-6-4
	COMP4650 Web Development 3-2-4	COMP Computer Networking Elective <sup>2</sup> 3-2-4
	COMP Computer Networking Elective <sup>2</sup> 3-2-4	COMP Advanced Security Elective <sup>3</sup> 3-2-4
	HUSS Humanities/Social Science Elective <sup>1</sup> 4-0-4	SCIENCE Science Elective <sup>4</sup> 3-2-4

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

Updated: July 2020

Notes	Registration and Degree Troubleshooting <sup>5</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  <sup>2</sup> See reverse side for list of Computer Networking electives  <sup>3</sup> See reverse side for list of Advanced Security electives  <sup>4</sup> Any 3-2-4 Science (BIOL, CHEM, PHYS) course  <sup>5</sup> See your degree audit and advisor first; the dept coordinator has forms	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>  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>  For courses not used in your degree, submit a <b>course substitution form</b>  For other degree issues, visit the student service center	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">COMP</td> <td style="width: 20%;">Dave Albanese</td> <td style="width: 20%;">Dept Coordinator</td> <td style="width: 10%;">x4272</td> </tr> <tr> <td>COMP</td> <td>Charlie Wiseman</td> <td>Dept Chair</td> <td>x4704</td> </tr> <tr> <td>NON-COMP</td> <td>Lisa Manness</td> <td>Beatty 403</td> <td>x4370</td> </tr> <tr> <td>Transfer</td> <td>James Smith</td> <td>Williston 101</td> <td>x4395</td> </tr> <tr> <td>COOP</td> <td>Sara Dell</td> <td>Wentworth 101</td> <td>x4132</td> </tr> <tr> <td>HUSS</td> <td>Ron Bernier</td> <td>Beatty 407</td> <td>x4353</td> </tr> <tr> <td>MATH</td> <td>Mark Mixer</td> <td>Ira Allen 319</td> <td>x4394</td> </tr> <tr> <td>MORE</td> <td colspan="3">See: <a href="https://wit.edu/wentworth-directory">https://wit.edu/wentworth-directory</a></td> </tr> </table>	COMP	Dave Albanese	Dept Coordinator	x4272	COMP	Charlie Wiseman	Dept Chair	x4704	NON-COMP	Lisa Manness	Beatty 403	x4370	Transfer	James Smith	Williston 101	x4395	COOP	Sara Dell	Wentworth 101	x4132	HUSS	Ron Bernier	Beatty 407	x4353	MATH	Mark Mixer	Ira Allen 319	x4394	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.

## BSCN Requirements

	Fall	Spring	Summer
COMP1100 Introduction to Networks	•	•	
COMP1000 Computer Science I	•	•	•
MATH1500 Precalculus	•	•	•
COMP1150 Routing and Switching	•	•	
COMP1050 Computer Science II	•	•	•
MATH2300 Discrete Math	•	•	•
COMP1200 Computer Organization	•	•	
COMP2500 Security Principles	•	•	
COMP2650 Databases	•	•	
COMP2150 Network Administration			•
COMP2160 Wireless Networks			•
COMP3500 Network Security	•		
COMP3100 System Administration	•	•	
COMP3550 Computer Security			•
COMP4950 Project Management			•
COMP4650 Web Development			•
COMP5500 Senior Project			•

## Advanced Security Electives\*

COMP3575	Scripting for Cybersecurity
COMP3580	Digital Forensics
COMP3590	Applied Cryptography
COMP4500	Offensive Security
COMP4550	Incident Response
COMP4580	Network Forensics

## Computer Networking Electives\*

COMP2000	Data Structures
COMP2350	Algorithms
COMP3125	Data Science Fundamentals
COMP3200	Assembly Language
COMP3400	Operating Systems
COMP3450	Parallel Computing
COMP3660	Mobile Web Development
COMP4050	Machine Learning
COMP4150	Advanced System Admin
COMP4700	Artificial Intelligence
COMP4960	Software Engineering
& All Adv. Security Electives	

### Elective Notes

\* Check the course catalog for prerequisite and scheduling information for individual electives  
 This list is not exhaustive; see your advisor if you need assistance identifying electives  
 Independent/external studies require department approval  
 Special topics courses require department approval to count as electives

### Prerequisite Flowchart

