

# Prepare for Course Enrollment

## Science & Basic Medical Sciences

# Congratulations & Welcome to Western Science!

Academic Advising office commitment to you:

- Advising about courses and performance
  - Requirements, fails, grades, grad checks
- Discussing your academic pathway
  - Modules, changing programs, exchanges, “catching up” etc.
- Being a safe, respectful, and friendly office
  - Privacy, availability, (zoom, live chat, help portal)



# Advising office is not the right office for:

- OSAP/fees (fees office)
- Actual course enrollment (help line)
- Accessibility (Student Accessibility Services)
- Most special permissions (department)
- Non-science programs (Ivey admissions, switching to social science etc)
  
- (But we can help you get there)



# **Your Computer Science Degree**

**Bachelor of Science or Bachelor of Arts made up of one or more modules plus first year courses and electives:**

**Honours Specialization (9.0 or more specified courses)**

**Specialization (9.0 or more specified courses)**

**Major (6.0 – 7.0 specified courses)**

**Minor (4.0 – 5.0 specified courses)**

## Modules can be combined in three different degree-types:

Degree Type	Module Combinations
Honours Bachelor Degree (4 Years/20 Courses)	<ul style="list-style-type: none"><li>• Honours Specialization</li><li>• Honours Specialization–Major</li><li>• Honours Specialization–Minor</li><li>• Major–Major</li></ul>
Bachelor Degree (4 Years/20 Courses)	<ul style="list-style-type: none"><li>• Specialization</li><li>• Specialization–Major</li><li>• Specialization–Minor</li><li>• Major–Major</li><li>• Major</li><li>• Major–Minor</li><li>• Major–Minor–Minor</li></ul>
Bachelor Degree (3 years/15 Courses)	<ul style="list-style-type: none"><li>• Major</li><li>• Major–Minor</li><li>• Minor–Minor</li></ul>



# More than just “Comp Sci”

- Honours Specialization In Bioinformatics
- Honours Specialization In Computer Science
- Honours Specialization In Information Systems
- Major In Computer Science
- Specialization In Computer Science
- Minor In Computer Science
- Minor In Game Development
- Minor In Software Engineering



# Combine with almost any module

## Western Offers

- Honours BSc with an Honours Specialization in Computer Science with a Minor in Game Development
- Honours BSc with a Double Major Computer Science and Psychology
- BSc with a Major in Computer Science and a Major in Genetics
- BA with a Major in Computer Science and a Minor in Classical Studies
- BSc with a Specialization in Computer Science and a major in Political Sciences



# Year One Course Selection

## WHAT Should It Include?

- 5.0 courses numbered 1000-1999
- Courses must include at least four different subjects with no more than 2.0 courses in one subject
- ELECTIVE: At least 1.0 course must be chosen from each of the three categories (A, B, and C). Any outstanding breadth requirement not completed in first year must be completed prior to graduation.

## HOW Do I Know What Courses To Select?

- Review the module(s) for the program you are interested in pursuing in the Academic Calendar

## WHERE Do I Find The Academic Calendar?

- <https://www.westerncalendar.uwo.ca/>





## Course Suffixes

A – first term (sept-dec) 0.5 weighted course COMPSCI 1026A

B – second term (jan-apr) 0.5 weighted course COMPSCI 1027B

no letter - full year (sept-apr) 1.0 weighted course CLASSICAL STUDIES 1000

F - first term (sept-dec) 0.5 weighted ESSAY course ANTHROPOLOGY 1025F

G - second term (jan-apr) 0.5 weighted ESSAY course ANTHROPOLOGY 1026G

E - full year (sept-apr) 1.0 weighted ESSAY course ENGLISH 1020E

I just took the same  
course twice.



## HONOURS SPECIALIZATION IN COMPUTER SCIENCE

FACULTY OF SCIENCE – COMPUTER SCIENCE



### ADMISSION REQUIREMENTS

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Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with no mark in these principal courses below 60%, including:

**0.5 course: Computer Science 1020 A/B**

0.5 course from: [Computer Science 1025A/B](#), [Computer Science 1026A/B](#) or [Data Science 1200A/B](#) or [Engineering Science 1036A/B](#) (in each case with a mark of at least 65%);

0.5 course from: [Computer Science 1027A/B](#) or [Computer Science 1037A/B](#) (in either case with a mark of at least 65%);

1.0 course from: [Applied Mathematics 1201A/B](#), [Calculus 1000A/B](#), [Calculus 1301A/B](#), [Calculus 1500A/B](#), [Calculus 1501A/B](#), [Mathematics 1600A/B](#), [Numerical and Mathematical Methods 1411A/B](#), [Numerical and Mathematical Methods 1412A/B](#), [Numerical and Mathematical Methods 1414A/B](#); or the former [Applied Mathematics 1411A/B](#), the former [Applied Mathematics 1412A/B](#), the former [Applied Mathematics 1414A/B](#), the former [Applied Mathematics 1413](#).

Note: Some Computer Science electives (e.g., [Computer Science 3388A/B](#), [Computer Science 4442A/B](#), and [Computer Science 4482A/B](#)) require [Mathematics 1600A/B](#) as a prerequisite.

# First year schedule (example)

\*Make sure 1.0 of your elective courses are Category A or B!

\*If you are taking another module your electives should fulfill those admission requirements

Fall Term	Winter Term
<ul style="list-style-type: none"><li>• Computer Science 1026A (65%)</li><li>• Computer Science 1020A (60%)</li><li>• Calculus 1000A or Calculus 1500A (60%)</li><li>• 1.0 Elective</li></ul> <p>Bioinformatics: Bio 1001A and Chem 1301A in place of elective</p>	<ul style="list-style-type: none"><li>• Computer Science 1027B (65%)</li><li>• Calculus 1301B or 1501B or <b>Math 1600B</b> or Applied Math 1201B (60%)</li><li>• 1.5 Elective</li></ul> <p>Bioinformatics Bio 1002B and Chem 1302B in place of 0.5 math and 0.5 elective. (math moves to second year)</p>

# Honours Specialization in Computer Science

## MODULE/PROGRAM INFORMATION

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### Module

9.0 courses:

**5.5 courses:** [Computer Science 2208A/B](#), [Computer Science 2209A/B](#), [Computer Science 2210A/B](#), [Computer Science 2211A/B](#), [Computer Science 2212A/B/Y](#), [Computer Science 3305A/B](#), [Computer Science 3307A/B/Y](#), [Computer Science 3331A/B](#), [Computer Science 3340A/B](#), [Computer Science 3342A/B](#), [Computer Science 3350A/B](#).

**0.5 course** from: [Computer Science 2214A/B](#), [Mathematics 2155F/G](#).

**0.5 course** from: [Writing 2101F/G](#), [Writing 2111F/G](#), [Writing 2125F/G](#), [Writing 2131F/G](#).

**0.5 course:** [Computer Science 4490Z](#).

**1.0 course** from: [Computer Science](#) courses at the 4000 level, [Data Science 3000A/B](#).

**0.5 course** from: [Computer Science](#) courses at the 3000 level or above, [Science 3377A/B](#), [Mathematics 2156A/B](#), [Mathematics 3159A/B](#).

**0.5 course** from: [Statistical Sciences 2141A/B](#), [Statistical Sciences 2244A/B](#) or [Biology 2244A/B](#), [Statistical Sciences 2857A/B](#).

**Note:** Students who are also pursuing the Software Engineering Minor or the Game Development Minor must take [Computer Science 4470Y](#) or [4480Y](#) respectively. If either minor is taken, [Computer Science 4490Z](#) must be replaced in the Honours Specialization with a 0.5 course in [Computer Science](#) at the 4000 level.

# Antirequisites/Prerequisites

## COMPUTER SCIENCE 2214A/B

### DISCRETE STRUCTURES FOR COMPUTING



#### COURSE DESCRIPTION

This course presents an introduction to the mathematical foundations of computer science, with an emphasis on mathematical reasoning, combinatorial analysis, discrete structures, applications and modeling, and algorithmic thinking. Topics include sets, functions, relations, algorithms, number theory, matrices, mathematical reasoning, counting, graphs and trees.

#### ANTIREQUISITE(S)

**Antirequisite(s):** [Mathematics 2151A/B](#), [Mathematics 2155F/G](#).

#### PRE OR COREQUISITES

**Prerequisite(s):** Either 1) [Computer Science 1027A/B](#), [Computer Science 1037A/B](#), or the former [Computer Science 2101A/B](#), in each case with at least 65%, and 1.0 course with at least 60% in each from: [Applied Mathematics 1201A/B](#), [Numerical and Mathematical Methods 1411A/B](#), [Numerical and Mathematical Methods 1412A/B](#), [Numerical and Mathematical Methods 1414A/B](#), [Calculus 1000A/B](#), [Calculus 1301A/B](#), [Calculus 1500A/B](#), [Calculus 1501A/B](#), [Mathematics 1600A/B](#), the former [Applied Mathematics 1411A/B](#), the former [Applied Mathematics 1412A/B](#), the former [Applied Mathematics 1414A/B](#), the former [Applied Mathematics 1413](#); or 2) [Integrated Science 1001X](#) with at least 60%.

#### EXTRA INFORMATION

**Extra Information:** 3 lecture hours, 1 laboratory/tutorial hour.



## Enrollment Tips - Typical Errors to Avoid

- Taking more than 1.0 course per year at an Affiliated College (Huron, King's)
- Taking senior courses (numbered 2000 or above) in first year
- Taking too many courses in one subject
- Taking too many first year courses (max 7.0)
- Missing the Category A (e.g. Social Science) and B (e.g. Arts) requirements
- Missing prerequisites for courses you are adding
- Taking the same course twice



## Common Courses

A common course is a course that is mandatory in both modules

When two modules contain more than 1.0 common course, the additional common course(s) must be distributed between the two modules as evenly as possible and substitute course(s) approved by the Department(s) offering the module(s) must be taken to maintain the number of courses required by each module. For example, if there are 2.5 common courses between two major modules, 1.0 can be counted toward both modules and 1.5 substitute courses must be taken (0.5 toward one module and 1.0 toward the other)

# Draft My Schedule

\*\*Does not actually enrol you in courses!



SIGN OUT

HOME | DEGREE REQUIREMENTS | COURSE LIST | BUILD DRAFT | ACCESS SAVED DRAFTS | MY SHARED DRAFTS | MY CURRENT SCHEDULE | ENROLLMENT APPOINTMENT | FEEDBACK

## BUILD FUTURE DRAFT

Fall Winter 2024

Subject:

Course Number:

Course Suffix:

Campus:

Component:  Lecture  Tutorial  Laboratory

Delivery Type:

Day of Class:  Mon  Tue  Wed  Thu  Fri

Starting Time:  Ending Time:

Show only courses open for registration.

The Academic Timetable is subject to change. Continue to monitor the Office of the Registrar website for any updates to Fall/Winter course registration.

### Online Learning Notice

Please note: For courses delivered in an online format, include an online component, or are required to pivot online, students must have a reliable internet connection and computer that are compatible with online learning system requirements. Some courses may also require the use of a remote proctoring platform to ensure assessments are taken fairly in accordance with Western's policy on Scholastic Discipline for Undergraduate Students and Scholastic Discipline for Graduate Students. Please refer to the course syllabus for further information.

Fall Session					
Time	Mon	Tues	Wed	Thurs	Fri
7:00 AM					
7:30 AM					
8:00 AM					
8:30 AM					
9:00 AM					
9:30 AM					

Winter Session					
Time	Mon	Tues	Wed	Thurs	Fri
7:00 AM					
7:30 AM					
8:00 AM					
8:30 AM					
9:00 AM					
9:30 AM					



Fall Session

Winter Session

Time	Mon	Tues	Wed	Thurs	Fri
7:00 AM					
7:30 AM					
8:00 AM					
8:30 AM	CALCULUS 1000A LEC 001 08:30 - 09:30		CALCULUS 1000A LEC 001 08:30 - 09:30	CALCULUS 1000A LEC 001 08:30 - 09:30	CALCULUS 1000A LEC 001 08:30 - 09:30
9:00 AM					
9:30 AM	COMPSCI 1020A LEC 001 09:30 - 11:30		COMPSCI 1020A LEC 001 09:30 - 10:30		ECO 1021A TUT 018 09:30 - 10:30
10:00 AM					
10:30 AM					
11:00 AM					
11:30 AM		COM 1026A LAB 016 11:30 - 01:30			
12:00 PM					
12:30 PM					
1:00 PM		ECONOMIC 1021A LEC 001 01:30 - 02:30		ECONOMIC 1021A LEC 001 01:30 - 02:30	COMPSCI 1026A LEC 002 01:30 - 03:30
1:30 PM					
2:00 PM			COMPSCI 1026A LEC 002 02:30 - 03:30		
2:30 PM					
3:00 PM		ASTRONOM 1021 LEC 002 03:30 - 04:30		ASTRONOM 1021 LEC 002 03:30 - 05:30	
3:30 PM					
4:00 PM					
4:30 PM					
5:00 PM					
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6:00 PM					
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7:00 PM					
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Time	Mon	Tues	Wed	Thurs	Fri
7:00 AM					
7:30 AM					
8:00 AM					
8:30 AM					
9:00 AM					
9:30 AM					
10:00 AM					
10:30 AM					
11:00 AM			GEOGRAPH 1400G LEC 001 10:30 - 12:30		
11:30 AM	MATH 1600B LEC 002 11:30 - 12:30		MATH 1600B LEC 002 11:30 - 12:30		MATH 1600B LEC 002 11:30 - 12:30
12:00 PM					
12:30 PM				COMPSCI 1027B LEC 002 12:30 - 01:30	
1:00 PM					
1:30 PM	ECONOMIC 1022B LEC 004 01:30 - 02:30		ECONOMIC 1022B LEC 004 01:30 - 02:30		ECO 1022B TUT 034 01:30 - 02:30
2:00 PM					
2:30 PM					
3:00 PM					
3:30 PM		ASTRONOM 1021 LEC 002 03:30 - 04:30	GEO 1400G LAB 006 02:30 - 04:30		
4:00 PM				ASTRONOM 1021 LEC 002 03:30 - 05:30	
4:30 PM					COM 1027B LAB 031 04:30 - 05:30
5:00 PM					
5:30 PM					
6:00 PM					
6:30 PM					
7:00 PM					
7:30 PM					



8:00 AM				
8:30 AM	CALCULUS 1000A LEC 001		CALCULUS 1000A LEC 001	CALCULUS 1000A LEC 001
9:00 AM	08:30 - 09:30		08:30 - 09:30	08:30 - 09:30
9:30 AM	COMPSCI 1020A LEC 001	COMPSCI 1026A LEC 001	COMPSCI 1020A LEC 001	ECO 1021A TUT 018
10:00 AM	09:30 - 11:30	09:30 - 11:30	09:30 - 10:30	09:30 - 10:30
10:30 AM				
11:00 AM				
11:30 AM			COM 1026A LAB 017	
12:00 PM			11:30 - 01:30	
12:30 PM				
1:00 PM				
1:30 PM		ECONOMIC 1021A LEC 001	ECONOMIC 1021A LEC 001	
2:00 PM		01:30 - 02:30	01:30 - 02:30	
2:30 PM				
3:00 PM				
3:30 PM		ASTRONOM 1021 LEC 002	ASTRONOM 1021 LEC 002	
4:00 PM		03:30 - 04:30	03:30 - 05:30	
4:30 PM				
5:00 PM				
5:30 PM				
6:00 PM				

8:00 AM				
8:30 AM				
9:00 AM				
9:30 AM	MATH 1600B LEC 003	MATH 1600B LEC 003		MATH 1600B LEC 003
10:00 AM	09:30 - 10:30	09:30 - 10:30		09:30 - 10:30
10:30 AM				
11:00 AM		GEOGRAPH 1400G LEC 001		
11:30 AM		10:30 - 12:30		
12:00 PM				
12:30 PM			COMPSCI 1027B LEC 002	
1:00 PM		COMPSCI 1027B LEC 002	12:30 - 01:30	
1:30 PM		12:30 - 02:30		ECO 1022B TUT 034
2:00 PM				01:30 - 02:30
2:30 PM				
3:00 PM			GEO 1400G LAB 006	
3:30 PM		ASTRONOM 1021 LEC 002	02:30 - 04:30	
4:00 PM		03:30 - 04:30		ASTRONOM 1021 LEC 002
4:30 PM				03:30 - 05:30
5:00 PM				
5:30 PM				COM 1027B LAB 032
6:00 PM				05:30 - 06:30
6:30 PM				
7:00 PM	ECONOMIC 1022B LEC 003			
7:30 PM	07:00 - 09:00			
8:00 PM				
8:30 PM				
9:00 PM				





# A few things you should be aware of

- Progression requirements
  - First year 55%, senior years 60%
  - RTW at 50%, senior years 55%
  - Repeated courses only count most recent grade
  - F count (all F's, even repeats)
- Western Scholars
- Distinction
- ITR/Adjudication

# (Some) Questions Submitted

- Are you allowed to take second year Computer Science required courses in the elective spots in first year?
- What will second year courses look like with Ivey AEO?
- AP credits – can these be utilized towards your degree?
- If you have been awarded credit for a course upon admission, will this automatically count towards minimum first year course requirements?
- When adding courses to your calendar – do we add every individual lab and lecture separately?
- Which course do I select when option to fulfill a requirement exists?
- Are we permitted to take certain courses a second time to obtain a better grade?
- When are students eligible for exchange or study abroad?
- Difficulty vs. Passion – when option exists, how do you decide which to choose?

# Dual/Combined degree with Ivey HBA

Five year program, two degrees HBA plus Hons BSc

- First year
  - You should take 1.0 essay course such as Business 1220E
  - Make sure you take 0.5 category B minimum
- Second year
  - You should take 4.0 HSP modular courses plus Business 2257
  - VERY LITTLE ROOM FOR ELECTIVES ON THIS PATH!

# Questions?

# Continue the Conversation....

## Welcome Wednesdays

Connect with Science & Basic Medical Sciences Academic Advising office to discuss your academic related questions in advance of course registration & the start of the academic year.

### June – August:

- Virtual Zoom Same-Day Appointments every Wednesday
- 10:00 a.m. – 12:00 p.m. (EDT)
- Log in using the Meeting ID: 944 8503 6022 with the password 745451

### September – April:

- In Person at our office
- 10:00 a.m. – 12:00 p.m. (EDT)
- North Campus Building, 2<sup>nd</sup> Floor, Room 280



# Science & Basic Medical Sciences Academic Advising

- ADVISING SERVICES ▾
- YOUR DEGREE ▾
- PROCEDURES ▾
- REGISTRATION ▾
- GRADUATION ▾
- NEW STUDENTS ▾
- CARE ZONE ▾

## Academic Advising

Your one-stop-shop for academic support!



### Science & Basic Medical Sciences Academic Advising

#### Notices

##### New: In-person Drop-in

On Monday afternoons, starting January 8, 2024, Academic Advising will be offering in-person drop-in sessions. Stop by NCB 280 between 1:30 and 3:30 p.m. for quick, non-confidential academic inquiries. The sessions will be first come first served.

#### Current Topics



First-year course registration guide



#### Contact Us

North Campus Building, Rm 280

**LOG-IN: ACADEMIC ADVISING HELP PORTAL**

Telephone: 519-661-3040

Hours and Disruptions.

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Follow us on Twitter



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### Current Topics



First-year course registration guide



First-year student registration tips



### Contact Us

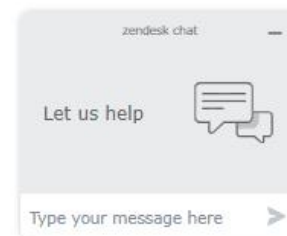
North Campus Building, Rm 280

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# Thank You!

## Academic Advising

Your one-stop-shop  
for academic support!



<https://uwo.ca/sci/counselling/>