

Co-op sequencing for CEPS

1

Current sequences in CEPS

Engineering/Physics

| Year | Fall | Winter | Summer |
|------|-------------|-------------|-------------|
| 1 | Academic 1 | Academic 2 | OFF |
| 2 | Academic 3 | Academic 4 | Work term 1 |
| 3 | Academic 5 | Work Term 2 | Work term 3 |
| 4 | Academic 6 | Academic 7 | Work term 4 |
| 5 | Work term 5 | Academic 8 | |

Chemistry

| Year | Fall | Winter | Summer |
|------|-------------|-------------|-------------|
| 1 | Academic 1 | Academic 2 | OFF |
| 2 | Academic 3 | Work term 1 | Academic 4 |
| 3 | Work Term 2 | Academic 5 | Work term 3 |
| 4 | Academic 6 | Academic 7 | Work term 4 |
| 5 | Academic 8 | | |

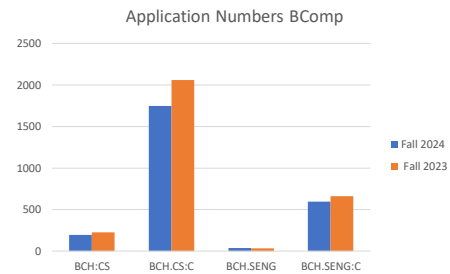
Computer Science

| Year | Fall | Winter | Summer |
|------|-------------|-------------|-------------|
| 1 | Academic 1 | Academic 2 | OFF |
| 2 | Academic 3 | Academic 4 | Work term 1 |
| 3 | Work Term 2 | Academic 5 | Work term 3 |
| 4 | Academic 6 | Work Term 4 | Work term 5 |
| 5 | Academic 7 | Academic 8 | |

2

Rationale to review

- Engineering, Computer Science, Physics all have three summer work terms, which is a competitive time for students to be looking for work
- No summer academic semesters; with increased enrollments planned this does not optimize the University's use of physical resources
- If multiple programs in CEPS were to adopt similar sequence with summer academic semester, we could optimize course offerings to support students in both regular and co-op majors.
- BMath currently looking at best co-op sequence for their students



3

Constraints to consider

- Work term in each semester (1 Fall, 1 Winter, 1 summer)
- Min 3, max 5 work terms
- First work term to start after Academic term 3 and before Academic term 6
- Cannot end (graduate) on a work term
- At least 30% of Schedule of Studies must be comprised of work term semesters
- Preferences from Co-op
 - Avoid three summer work terms,
 - Avoid first work term in summer
 - Prefer to have a Fall, winter and summer "start"
- <https://www.uoguelph.ca/secretariat/procedure-policy-25-procedures-co-operative-education-programming>

4

Possible sequences

| Year | Fall | Winter | Summer | Year | Fall | Winter | Summer |
|------|-------------|-------------|-------------|------|-------------|-------------|-------------|
| 1 | Academic 1 | Academic 2 | OFF | 1 | Academic 1 | Academic 2 | OFF |
| 2 | Academic 3 | Work term 1 | Academic 4 | 2 | Academic 3 | Academic 4 | OFF |
| 3 | Academic 5 | Work term 2 | Work term 3 | 3 | Work term 1 | Work term 2 | Academic 5 |
| 4 | Academic 6 | Academic 7 | Work term 4 | 4 | Academic 6 | Work term 3 | Work term 4 |
| 5 | Work term 5 | Academic 8 | | 5 | Academic 7 | Academic 8 | |

Currently under review in Engineering

| Year | Fall | Winter | Summer | Year | Fall | Winter | Summer |
|------|-------------|-------------|-------------|------|-------------|-------------|-------------|
| 1 | Academic 1 | Academic 2 | OFF | 1 | Academic 1 | Academic 2 | OFF |
| 2 | Academic 3 | Academic 4 | OFF | 2 | Academic 3 | Academic 4 | Work term 1 |
| 3 | Work Term 1 | Academic 5 | Work Term 2 | 3 | Work Term 2 | Academic 5 | Academic 6 |
| 4 | Academic 6 | Work Term 3 | Work Term 4 | 4 | Work term 3 | Work Term 4 | Work term 5 |
| 5 | Academic 7 | Academic 8 | | 5 | Academic 7 | Academic 8 | |

5

Academic semester 4

| Computer Science/Software Engineering | Math | C.ENG. | MECH |
|--|--|-------------------------|-----------|
| CIS 2750 | MATH 2130 | CIS 2910 | ENGG 2180 |
| CIS 3110 | 0.5 credits MATH or STAT 2000 level or above | ENG 2450 | ENGG 2230 |
| CIS 3490 | 1.5 electives | ENGG 2100 | ENGG 2340 |
| 0.75 credits area of application or elective | | ENGG 3380 | ENGG 2450 |
| | | MATH 2130 | MATH 2130 |
| | | 0.5 restricted elective | STAT 2120 |

6

Academic semester 6

| Computer Science/Software Engineering | Math | C.ENG. | MECH |
|--|--|--------------|--------------------------|
| CIS 3760 | 0.5 credits MATH or STAT 3000 level or above | CIS 3110 | ENGG 3100 |
| 0.5 CIS electives 3000 level or above | 2.00 electives | CIS 3490 | ENGG 3370 |
| 1.25 credits in area of application or electives | | ENGG 3100 | ENGG 3410 |
| | | ENGG 3210 | ENGG 3430 |
| | | ENGG 3410 | 1.00 restricted elective |
| | | 0.5 elective | |