

# Warren Centre for Actuarial Studies and Research

Course Sequencing Examples for Students **Admitted** to the Asper  
School of Business **IN** September 2022

Updated: August 30, 2022

## **Introduction**

**Foundation** courses are defined as courses that are required to be completed early in the degree at the Asper School of Business. These will be denoted as (f) below.

**Core** courses are defined as courses that are mandatory to be completed throughout the degree at the Asper School of Business, regardless of the major selected. These will be denoted as (c) below.

**Major** courses are defined as courses that contribute to the progress of the selected major. 12 credit hours of major courses are required. These will be denoted as (m) below. Actuarial majors may choose 12 credit hours from the following list below:

ACT 2120 (3 credit hours)

ACT 2020<sup>1</sup> (3 credit hours)

ACT 3130 (3 credit hours)

ACT 3230 (3 credit hours)

ACT 3340 (3 credit hours)

ACT 4010 (3 credit hours)

ACT 4020 (3 credit hours)

ACT 4030 (3 credit hours)

**Option** courses are defined as courses taught by the Asper School of Business. Students are required to take 15 (or 18)<sup>2</sup> credit hours of options courses for their degree, of which only 12 can be ACT courses (this does not include IDM 4050 - this exception is only for ACT MJ students completing the SOA route). These will be denoted as (o) below.

**Elective** courses are defined as any course that is not taught by the Asper School of Business. Students are required to take 12 (or 15)<sup>2</sup> credit hours of electives courses for their degree. These will be denoted as (e) below. Required electives will be labelled with their course number, and electives that are free to the student's choice will be labelled with "Electives".

## **Recommended Commerce Electives**<sup>3</sup>

MATH 2720

STAT 2400

STAT 2800

STAT 2150

STAT 3100

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<sup>1</sup> Not recommended to take. ACT 2020 is to be removed from the program effective September 2023.

<sup>2</sup> Students are required to take 15 credit hours of options and 12 credit hours of electives. They are also required to take an additional 3 credit hours of electives, OR options. This choice is up to the student. In the recommendations below, the student takes an additional 3 credit hours of electives.

<sup>3</sup> These courses are built into the course sequencing charts for all students.

**ASA pathway courses**

Courses towards the SOA exams and VEE credits are highlighted in the notes section.

## Course sequencing charts

### **BComm example course sequence: Alternative 1 (with STAT 1150)**

#### BComm Actuarial Math Major – Year 1

Fall	Winter
(f) ECON 1010	(f) ECON 1020
(f) MATH 1500 (or MATH 1230)	(f) MATH 1700 (or MATH 1232)
(f) STAT 1150	(f) MATH 1300 (or MATH 1220)
(f) W (Written English)	(c) GMGT 2060
(c) GMGT 1010	(f) STAT 2150
Notes: ECON 1010 and ECON 1020 satisfy VEE-Economics. MATH 1300 and MATH 1700 are prerequisites for MATH 2720. STAT 1150 is a prerequisite for STAT 2400.	

#### BComm Actuarial Math Major – Year 2

Fall	Winter
(e) MATH 2720	(e) STAT 2800
(e) STAT 2400	(o) ACT 2210
(m) ACT 2120	(c) FIN 2200
(c) ACC 1100	(c) ACC 1110
(c) GMGT 2010	(c) GMGT 2070
Notes: MATH 2720 is a co-requisite for ACT 2120. ACT 2120 satisfies Exam FM. ACT 2120 and STAT 2800 are prerequisites for ACT 3130. ACT 2210 satisfies Exam P. ACC 1100 and FIN 2200 satisfy VEE-Accounting and Finance.	

#### BComm Actuarial Math Major – Year 3

Fall	Winter
(m) ACT 3130	(m) ACT 3340
(m) ACT 4020	(o) ACT 4010
(e) STAT 3100	(o) ACT 4030
(c) SCM 2160	(c) HRIR 2440
(c) MSCI 2150	(c) MKT 2210
Notes: ACT 3130, ACT 3340 and ACT 4020 satisfy Exam FAM. ACT 4030 satisfies Exam ASTAM. STAT 3100 satisfies VEE-Mathematical Statistics.	

BComm Actuarial Math Major – Year 4

Fall	Winter
(o) ACT 3230	(c) ENTR 2030
(c) MIS 2000	(c) PHIL 2830
(c) ECON 2540	(c) GMGT 4010
(o) FIN 2420	(c) FIN 3450
(c) GMGT 3300	(e) W (English Written)
Notes: ACT 3230 satisfies Exam ALTAM.	

## BComm example course sequence: Alternative 2 (with STAT 1000)

### BComm Actuarial Math Major – Year 1

Fall	Winter
(f) ECON 1010	(f) ECON 1020
(f) MATH 1500 (or MATH 1230)	(f) MATH 1700 (or MATH 1232)
(f) STAT 1000	(f) MATH 1300 (or MATH 1220)
(f) W (Written English)	(c) GMGT 2060
(c) GMGT 1010	(f) STAT 2000
Notes: ECON 1010 and ECON 1020 satisfy VEE-Economics. MATH 1300 and MATH 1700 are prerequisites for MATH 2720. STAT 2000 is a prerequisite for STAT 2400 and STAT 2150.	

### BComm Actuarial Math Major – Year 2

Fall	Winter
(o) MATH 2720	(e) STAT 2800
(e) STAT 2400	(e) STAT 2150
(m) ACT 2120	(c) FIN 2200
(c) ACC 1100	(c) ACC 1110
(c) GMGT 2010	(c) GMGT 2070
Notes: MATH 2720 is a co-requisite for ACT 2120. ACT 2120 satisfies Exam FM. ACT 2120 and STAT 2800 are prerequisites for ACT 3130. ACC 1100 and FIN 2200 satisfy VEE-Accounting and Finance.	

### BComm Actuarial Math Major – Year 3

Fall	Winter
(m) ACT 3130	(m) ACT 3340
(m) ACT 4020	(o) ACT 4010
(e) STAT 3100	(o) ACT 4030
(c) SCM 2160	(c) HRIR 2440
(o) ACT 2210	(c) MKT 2210
Notes: ACT 2210 satisfies Exam P. ACT 3130, ACT 3340 and ACT 4020 satisfy Exam FAM. ACT 4030 satisfies Exam ASTAM. STAT 3100 satisfies VEE-Mathematical Statistics.	

BComm Actuarial Math Major – Year 4

Fall	Winter
(o) ACT 3230	(c) ENTR 2030
(c) MIS 2000	(c) PHIL 2830
(c) ECON 2540	(c) GMGT 4010
(c) MSCI 2150	(c) FIN 3450
(c) GMGT 3300	(e) W (English Written)
Notes: ACT 3230 satisfies Exam ALTAM.	