

Warren Centre for Actuarial Studies and Research

Course Sequencing Examples for Students **Admitted** to the Asper
School of Business **IN** September 2019

Updated: July 12, 2019

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 (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)¹ 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)¹ 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 "Elective".

Recommended Commerce Electives:

MATH 1240*

MATH 2720**

STAT 2400**

STAT 3400**

*For students using STAT 1000 and STAT 2000, MATH 1240 will be an extra course over the 120 credit hours for your degree. This is optional.

**These courses are build into the course sequencing charts for all students.

ASA Pathway Course

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1. 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 **options**.

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

Students who plan to pursue the SOA exams may be required to take additional courses to fulfill both the degree requirements and all of the recommended courses for the SOA exams.

B.Comm Example Course Sequence: Alternative 1 (with STAT 1150).

B.Comm Actuarial Major: Year 1

Fall Semester	Winter Semester
(f) ECON 1010	(f) ECON 1020
(f) MATH 1500 (or MATH 1230)	(f) MATH 1300 (or MATH 1220)
(f) STAT 1150	(f) MATH 1700 (or MATH 1232)
(f) W (Written English)	(c) GMGT 2060
(c) GMGT 1010	(f) Elective*
Notes: ECON 1010 and ECON 1020 satisfy VEE – Economics MATH 1300 and MATH 1700 are needed for MATH 2720, and MATH 1500 is a prerequisite for MATH 1700. STAT 1150 is a prerequisite for STAT 2400. GMGT 1010 is a prerequisite for GMGT 2060. *Recommended Elective MATH 1240	

B.Comm Actuarial Major: Year 2

Fall Semester	Winter Semester
(e) MATH 2720	(c) GMGT 2070
(m) ACT 2120	(m) ACT 2020
(e) STAT 2400	(e) STAT 3400
(c) ACC 1100	(c) ACC 1110
(c) GMGT 2010	(c) FIN 2200
Notes: MATH 2720 is needed for ACT 2120 (concurrent) ACT 2120 and 2020 satisfy Exam FM. ACT 2120 is a prerequisite for ACT 3130. STAT 2400 and STAT 3400 satisfy Exam P. STAT 2400 is required for STAT 3400. STAT 3400 is a prerequisite for ACT 3130, 4010 and 4020. ACC 1100 and FIN 2200 satisfy VEE – Accounting and Finance. ACC 1100 is required for ACC 1110	

B.Comm Actuarial Major: Year 3

Fall Semester	Winter Semester
(m) ACT 3130	(o) ACT 3230
(m) ACT 3340	(c) HRIR 2440
(c) SCM 2160	(o) ACT 4010
(o) IDM 4050 – Topics – Mathematical Statistics	(c) MKT 2210
(c) MSCI 2150	(c) PHIL 2830
<p>Notes:</p> <p>ACT 3130 and ACT 3230 satisfy Exam LTAM.</p> <p>ACT 3340 (taken with ACT 2020 from Year 2) satisfy Exam IFM.</p> <p>IDM 4050 – topics (Mathematical Statistics) satisfies VEE Mathematical Statistics ** students may also take STAT 4100 and STAT 4200 to satisfy VEE – Mathematical Statistics in place of IDM 4050 – topics (Mathematical Statistics).</p> <p>MSCI 2150 requires MATH 1500 and [STAT 1000 or STAT 1150].</p> <p>ACT 4010 covers 65% of the material for Exam SRM.</p> <p>ACT 4010 is a prerequisite to IDM 4050 – Predictive Analytics</p>	

B.Comm Actuarial Major: Year 4

Fall Semester	Winter Semester
(c) MIS 2000	(c) ENTR 2030
(c) ECON 2540	(o) ACT 4030
(c) FIN 3450	(c) GMGT 4010
(c) GMGT 3300	(o) IDM 4050 – Topics – Project in Predictive Analytics
(o) ACT 4020	(e) W (English Written)
<p>Notes:</p> <p>ACT 4020 and ACT 4030 (replaces old ACT 4630) satisfy STAM.</p> <p>IDM 4050 – topics (Project – Predictive Analytics) maps to the SOA Project – Predictive Analytics.</p>	

B.Comm Example Course Sequence: Alternative 2 (with STAT 1000).

B.Comm Actuarial Major: Year 1

Fall Semester	Winter Semester
(f) ECON 1010	(f) ECON 1020
(f) MATH 1500 (or MATH 1230)	(f) MATH 1300 (or MATH 1220)
(f) STAT 1000	(f) MATH 1700 (or MATH 1232)
(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 needed for MATH 2720, and MATH 1500 is a prerequisite for MATH 1700. STAT 1000 is a prerequisite for STAT 2000 STAT 1000 and STAT 2000 are prerequisites for STAT 2400. GMGT 1010 is a prerequisite for GMGT 2060	

B.Comm Actuarial Major: Year 2

Fall Semester	Winter Semester
(e) MATH 2720	(c) GMGT 2070
(m) ACT 2120	(m) ACT 2020
(e) STAT 2400	(e) STAT 3400
(c) ACC 1100	(c) ACC 1110
(c) GMGT 2010	(c) FIN 2200
Notes: MATH 2720 is needed for ACT 2120 (concurrent) ACT 2120 and 2020 satisfy Exam FM. ACT 2120 is a prerequisite for ACT 3130. STAT 2400 and STAT 3400 satisfy Exam P. STAT 2400 is required for STAT 3400. STAT 3400 is a prerequisite for ACT 3130, 4010 and 4020. ACC 1100 and FIN 2200 satisfy VEE – Accounting and Finance. ACC 1100 is required for ACC 1110	

B.Comm Actuarial Major: Year 3

Fall Semester	Winter Semester
(m) ACT 3130	(o) ACT 3230
(m) ACT 3340	(c) HRIR 2440
(c) SCM 2160	(o) ACT 4010
(o) IDM 4050 – Topics – Mathematical Statistics	(c) MKT 2210
(c) MSCI 2150	(c) PHIL 2830
<p>Notes:</p> <p>ACT 3130 and ACT 3230 satisfy Exam LTAM.</p> <p>ACT 3340 (taken with ACT 2020 from Year 2) satisfy Exam IFM.</p> <p>IDM 4050 – topics (Mathematical Statistics) satisfies VEE Mathematical Statistics ** students may also take STAT 4100 and STAT 4200 to satisfy VEE – Mathematical Statistics in place of IDM 4050 – topics (Mathematical Statistics).</p> <p>MSCI 2150 requires MATH 1500 and STAT 1000.</p> <p>ACT 4010 covers 65% of the material for Exam SRM.</p> <p>ACT 4010 is a prerequisite to IDM 4050 – Predictive Analytics</p>	

B.Comm Actuarial Major: Year 4

Fall Semester	Winter Semester
(c) MIS 2000	(c) ENTR 2030
(c) ECON 2540	(o) ACT 4030
(c) FIN 3450	(c) GMGT 4010
(c) GMGT 3300	(o) IDM 4050 – Topics – Project in Predictive Analytics
(o) ACT 4020	(e) W (English Written)
<p>Notes:</p> <p>ACT 4020 and ACT 4030 (replaces old ACT 4630) satisfy STAM.</p> <p>IDM 4050 – topics (Project – Predictive Analytics) maps to the SOA Project – Predictive Analytics.</p>	