

Monash EBS Honours 2023 Program Information Session

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24th October 2022

EBS Honours Co-ordinator: Prof Heather Anderson

- EBS Honours Degree Program Structure
- Entry Requirements
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The EBS Honours Program will offer 3 streams of honours study programs in 2023, as well as some joint streams.

- Actuarial Studies (AS)
- Business Analytics (BA)
- Econometrics (EM); or
- Joint honours in two EBS streams, or one EBS stream and Economics

Note that for joint streams, the choice of units may be restricted because you will need to satisfy the core requirements of each stream.

Contact Prof Jackie Li (for questions about honours in Actuarial Studies)

Contact Prof Jiti Gao (for questions about honours in Econometrics)

Contact Prof Heather Anderson (for questions about honours in Business Analytics or joint honours in two streams)

The general structure for all streams

- One research thesis (ETC4860, S1+S2)
- Six coursework units (3 units in S1 and 3 units in S2)
- No more than two 3rd year level units (this includes some double coded 5th level units); or
- No more than two units from other departments/faculties

All details are in the online [handbook](http://handbook.monash.edu/2023/courses/B3701) which is at <http://handbook.monash.edu/2023/courses/B3701>.

Actuarial Studies Program Structure

Core units (30 points): all of

- Honours research thesis (ETC4860, S1+S2)
- ETC4110 - Actuarial Practice 1 (S1)
- ETC4120 - Actuarial Practice 2 (S2)
- ETC5250 - Introduction to Machine Learning (S1)

Additional Actuarial Studies units (18 points) - 3 of the following

- ETC4400 - Statistical Theory and Practice (S2)
- ETC4410 - Macroeconometrics (S2)
- ETC4420 - Microeconometrics (S1)
- ETC4460 - Financial Econometrics (S2)
- ETC4541 - Bayesian Econometrics (S1)
- ETF5200 - Time series and Panel Data Econometrics (S1)
- ETF5500 - High Dimensional Data Analysis (S2)
- other units as listed overleaf

Other possible units within the actuarial studies program:

- ETC5512 - Wild Caught Data (S1)
- ETC5513 - Collaborative and Reproducible Practices (S1)
- ETC5341 - Applied Econometrics (S1)
- MTH4331 - Optimisation for Data Analytics (S2)
- MTH5210 - Stochastic Calculus and Mathematical Finance (S1)
- MTH5230 - Markov Chains and Random Walks (S2)
- MTH5510 - Quantitative Risk Management (S2)
- MTH5520 - Interest Rate Modelling (S2)
- MTH5530 - Computational Methods in Finance (S1)

The ETC5... units need approval from the CE who is teaching the unit as well as from Prof Jackie Li, and the MTH.... units need the approval from the CE who is teaching the unit, as well as from Prof Jackie Li.

Business Analytics Program Structure

Core unit (12 points):

- Honours research thesis (ETC4860, S1+S2)

Additional Business Analytics Units (36 points) with at least 18 points (i.e. 3 units) from the following

- ETF4400 - Statistical Theory and Practice (S2)
- ETF5500 - High Dimensional Data Analysis (S2)
- ETC5512 - Wild Caught Data (S1)
- ETC5513 - Collaborative and Reproducible Practices (S1)
- ETC5521 - Exploratory Data Analysis (S2)
- ETF5580 - Advanced Statistical Modelling (S2)

other units not specified in this list (that are taught by the School of Mathematics or by the Faculty of Information Technology) to be determined in consultation with the relevant CE and Prof Heather Anderson (both of whom must give their approval)

Econometrics Program Structure

Core units (12 points):

- Honours research thesis (ETC4860, S1+S2)

Other core units (18 points) - choose at least three 3 units from List 1, i.e.

- ETC4400 - Statistical Theory and Practice (S2)
- ETC4410 - Macroeconometrics (S2)
- ETC4420 - Microeconometrics (S1)
- ETC4460 - Financial Econometrics (S2)
- ETC4541 - Bayesian Econometrics (S1)
- ETF5200 - Time Series and Panel Data Econometrics (S1)

as well as ...

Econometrics Program Structure (continued)

Choose an additional 3 units (18 points) from

- List 1
- ETC4110 - Actuarial Practice 1 (S1)
- ETC4120 - Actuarial Practice 2 (S2)
- ETC5250 - Introduction to Machine Learning (S1)
- ETF5500 - High Dimensional Data Analysis (S2)
- ETF5580 - Advanced Statistical Modelling (S2)
- ECX5479 - Empirical Strategies for Policy Evaluation (S1)

up to 2 units not specified in this list to be determined in consultation with Prof Jiti Gao and the relevant CE, both of whom must give their approval.

Program Structure -Joint Honours

You can study for joint honours in two EBS streams, or joint honours in Econometrics and Economics streams

Core unit (12 points): choose one of

- ETC4860 - Honours Research Project (on an EBS topic)
- ECC4860 - Honours Research Project (on an Economics Topic)

As well as

- Three core units from the first stream
- Three core units from the second stream

Other variations of units as approved by the Honours Co-ordinator

Entry Requirements

- All applications will be assessed by an EBS admission committee
- The main criterion is essentially an assessment of whether you have to pre-requisites and ability for completing the honours year successfully.
- For Monash graduates this usually means
 - you have the right undergraduate major(s) for your chosen honours specialty or specialties;
 - you have the required pre-reqs for the honours years units; and
 - you have an average of 70% for key relevant units.
- Each applicant will be assessed on a case by case basis
- For applications from outside Monash: applicants will be assessed via a case-by-case consideration of equivalence to Monash student requirements.

Application Process

- Deadline: November 30th
- Domestic: a simple form, and a statement of purpose letter
- International: similar things, but more questions via the online link
- Application link: via the [Find a course](#) link.
- Loretta Bellew from the Faculty Admission and Credit Office will show you through the application websites.

- EBS Honours Memorial Scholarships: 5 available for \$15,000 cash each, and no need to apply (all applicants will be automatically assessed)
- Monash Jubilee Scholarships - 35 available university wide for \$6,000 each
- Loretta Bellew will show you where to find these on the website.

- **Future Students B. Com Honours -**
<https://www.monash.edu/business/future-students/undergraduate-study-options/honours>
- **Find a Course B3701 -** <https://www.monash.edu/study/courses/find-a-course/2023/commerce-b3701?domestic=true>
- **Handbook entry -** <http://handbook.monash.edu/2023/courses/B3701>
- **EBS Honours Memorial Scholarship -**
<https://www.monash.edu/study/fees-scholarships/scholarships/find-a-scholarship/econometrics-honours-memorial-scholarship-5586>
- **Monash Honours Jubilee Scholarships -**
<https://www.monash.edu/study/fees-scholarships/scholarships/find-a-scholarship/monash-university-jubilee-honours-scholarship-5599A>

- What if I missed one pre-req unit for an honours unit?
- What if I am not qualified to do the BA (or any other) major but want to choose units from it?
- What about my Semester 2 results not being available before the application deadline?
- What should I write in the motivation letter?
- Where do our past EBS honours graduates typically work now?
- Will the class be face to face in 2023?
- ???