

# STATISTICS (STAT)

Department of Mathematics and Statistics, College of Engineering and Physical Sciences,

Knowledge of statistics is crucial for understanding our world. An understanding of statistics is vital in many disciplines including psychology, sociology, political science, marketing and economics. Students can choose to study statistics as a minor in the B.A. Honours Program or as an area of concentration in the General Program.

## Area of Concentration (General Program)

A minimum of 5.00 credits in Statistics and Mathematics is required, including:

- no more than 1.00 credits from courses at the 1000 level
- 3.00 credits in statistics (STAT), 2.00 of which must be from courses at the 3000 level or above

## Recommended Courses

Code	Title	Credits
MATH*1200	Calculus I	0.50
MATH*1210	Calculus II	0.50
STAT*2040	Statistics I	0.50
STAT*2050	Statistics II	0.50
STAT*3100	Introductory Mathematical Statistics I	0.50
STAT*3110	Introductory Mathematical Statistics II	0.50
STAT*3240	Applied Regression Analysis	0.50
0.50 additional credits in Statistics		0.50
0.50 additional credits in Statistics or Mathematics		0.50

## Honours Programs

### Minor (Honours Program)

A total of 5.00 credits is required to complete the minor, including:

Code	Title	Credits
MATH*1080 or MATH*1200	Elements of Calculus I <sup>1</sup> Calculus I	0.50
MATH*1090 or MATH*1210	Elements of Calculus II <sup>2</sup> Calculus II	0.50
MATH*1160	Linear Algebra I	0.50
STAT*2040	Statistics I	0.50
STAT*2050	Statistics II	0.50
STAT*3100	Introductory Mathematical Statistics I	0.50
STAT*3110	Introductory Mathematical Statistics II	0.50
STAT*3240	Applied Regression Analysis	0.50
0.50 additional credits in Statistics		0.50
0.50 additional credits in Statistics or Mathematics at the 2000 level or above		0.50

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IPS\*1500 Integrated Mathematics and Physics I can count toward this 0.50 credit

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IPS\*1510 Integrated Mathematics and Physics II can count toward this 0.50 credit

**Note:** Students majoring or minoring in Mathematical Science cannot minor in Statistics.