Department of Statistics
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Minor in Statistics Checklist

Minor in Statistics: The undergraduate minor in Statistics requires a minimum of 27 total credits in statistics or statistics related courses.

Core Requirements (16-17 credits)

The following courses are required:

- ☐ ST 351. Introduction to Statistical Methods (4)

  or ST 201. Principles of Statistics (4)

  or ST 314. Introduction to Statistics for Engineers (3)

- ☐ ST 352. Introduction to Statistical Methods (4)
  - **Please note that a prerequisite for this class is ST 351**
- ☐ ST 407. Seminar: *Attendance at Consulting Practicum* (1)
- ☐ ST 421, ST 422. Introduction to Mathematical Statistics (4,4)
  - **Please note that a prerequisite for ST 421 is MTH 254, which is class that requires MTH 251 and MTH 252.**

Note: ST 411 and ST 412 can be substituted for ST 351 and ST 352 respectively.

Approved Electives

Students must also take enough additional approved courses to reach a total of at least 27 credits. This requirement is satisfied by taking either 3 or 4 of the classes listed below, depending on course credits. Other statistics related courses may also be used; see the Statistics advisor Juliann Moore for approval, Juliann.Moore@oregonstate.edu

Note: If ST 411 and/or ST 412 are used to satisfy core requirements, they cannot also be used as approved electives.

Course:_____ Credits:_____

Course:_____ Credits:_____

Course:_____ Credits:_____

Course:_____ Credits:_____

Total Elective Credits: _____

Electives to choose from:

ECE 461 Introduction to Analog and Digital Communications (4)

ECE 462 DIGITAL COMMUNICATIONS AND CHANNEL CODING (4)

ECON 424 Introduction to Econometrics (4)

ECON 423 ECONOMETRICS I (4) Offered in current or future terms

ECON 427 ECONOMETRICS II (4) Offered in current or future terms

FOR 321 Forest Mensuration (5)

FOR 322 FOREST MODELS (3) Offered in current or future terms

H 425 Foundations of Epidemiology (3)

IE 355 Statistical Quality Control (4)

IE 356 Experimental Design for Industrial Processes (4)

IE 255 INTRO QUANT ANALYSIS OF INDUSTRIAL & MANUFACTURING SYSTEMS (3)

IE 425 INDUSTRIAL SYSTEMS OPTIMIZATION (4)

MTH 420 MODELS AND METHODS OF APPLIED MATHEMATICS (3).

MTH 464 Probability II (3)

MTH 465 Probability III (3)

MTH 467 Actuarial Mathematics (3)

PSY 301 Research Methods in Psychology (4)

PSY 440 COGNITION RESEARCH (4)

PSY 460 ADVANCED SOCIAL RESEARCH METHODS (4)

PSY 480 CLINICAL RESEARCH METHODS (4).

SOC 315 Methods I: Research Design (4)

SOC 418 QUALITATIVE RESEARCH METHODS (4).

ST 411, ST 412, ST 413 Methods of Data Analysis (4,4,4)

ST 415 Design and Analysis of Planned Experiments (3)

ST 431 Sampling Methods (3)

ST 439 Survey Methods (3)

ST 441 Probability, Computing, and Simulation in Statistics (4)

ST 443 Applied Stochastic Models (3)

ST499 Special Topics

Minor Code: 615