

Colorado State University
STATISTICS Minor

Name: _____

CSUID: _____

(STAQ)

Undergraduate Advisor: Ben Prytherch

105Statistics

Please email

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102 Statistics

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REQUIRED COURSES -- One course from EACH of A, B, and D; BOTH courses in C. Must take 6 Elective credits from list provided or approved by Undergraduate Advisor in Statistics.

Students in the **biological sciences** should take STAT 307 or ERHS 307 from A. Students in the **social sciences** should take STAT311 in A. Students with a calculus background should take STAT 315 from A. Everyone else should take STAT301. Students interested in statistical theory and methods should take STAT 420 from B and STAT 430 from D.

ELECTIVE COURSES -- This is not meant to be an *all-inclusive* listing of elective courses. The electives shown below represent a portion of those courses at the 300-400 level which are offered by other departments and which are acceptable in meeting the minor in Statistics. It is recommended that courses not listed below be pre-approved for acceptability by the Undergraduate Advisor in Statistics.

GROUP A (Select one):	3 CR
____ STAT 301 Intro to Statistical Methods	[3]
____ STAT/ERHS 307 Introduction to Biostatistics	[3]
____ STAT 311 Statistics for Behavioral Sciences I	[3]
____ STAT 315 Statistics for Engineers and Scientists	[3]
GROUP B (Select one)	3 CR
____ STAT 420 Probability & Mathematical Statistics I (F)	[3]
____ STAT 400 Statistical Computing (F)	[3]
____ STAT 440 Bayesian Data Analysis (S)	[3]
____ STAT 158 Programming in R (S)	[1]
AND STAT 358 Programming in SAS (S)	[2]
GROUP C (Must take BOTH courses)	6 CR
____ STAT 341 Data Analysis I (F)	[3]
____ STAT 342 Data Analysis II (S)	[3]
GROUP D (Select one):	3 CR
____ STAT 305 Sampling Techniques (F)	[3]
____ STAT 430 Probability & Mathematical Statistics II (S)	[3]
____ STAT 460 Applied Multivariate Analysis (S)	[3]

____ ECON 335 Intro to Econometrics	[3]
____ ECON 435 Economic Forecasting	[3]
____ ECE 311 Linear System Analysis I	[3]
____ ECE 312 Linear System Analysis II	[3]
____ F 321 Forest Biometry	[4]
____ F 422 Quantitative Methods in Forest Management	[4]
____ FW 370 Design of Fish/Wildlife Projects	[3]
____ FW 471 Wildlife Data Collection and Analysis	[4]
____ MATH 369 Linear Algebra	[3]
____ MATH 435 Projects in Applied Mathematics	[3]
____ MATH 450 Intro to Numerical Analysis I	[3]
____ MATH 451 Intro to Numerical Analysis II	[3]
____ MECH 417 Control Systems	[3]
____ MGT 301 Supply Chain Management	[3]
____ MGT 475 Int'l Business Management	[1]
____ NR 421 Natural Resources Sampling	[3]
____ NR 422 CIS Applications in Natural Resource Management	[4]
____ PSY 317 Social Psychology Lab	[2]
____ PSY 370 Psychological Measurement/Testing	[3]
____ PSY 371 Psychological Measurement/Testing Lab	[1]
____ SOCR 414 Agricultural Experimental Design	[3]
____ STAT 305 Sampling Techniques* (F)	[3]
____ STAT 321 Elementary Probabilistic-Stochastic Modeling** (S)	[3]
____ STAT 312 Statistics for Behavioral Sciences II	[3]
____ STAT 372 Data Analysis/Database Management Tools (F)	[3]
____ STAT 420 Probability & Mathematical Statistics I** (F)	[3]
____ STAT 430 Probability & Mathematical Statistics II* (S)	[3]
____ STAT 460 Applied Multivariate Analysis* (S)	[3]
____ STAT 472 Statistical Consulting (S)	[3]

* If not used as a Group D Course

** If not used as a Group B Course

GRADUATION REQUIREMENTS (21 credits minimum)

Total REQUIRED Credits.....[15]

Total ELECTIVE Credits.....[6]

GRAND TOTAL, ALL CREDITS.....[]

Total STATISTICS Credits.....[]

Total UPPER-DIVISION Credits.....[]

NOTE: Minimum grade of C must be obtained in REQUIRED courses. In accordance with University requirements, at least 12 credits must be in courses offered by the Statistics Department and at least 12 credits must be numbered 300 or higher. Any deviations from the requirements must be proposed in writing by the student and approved by the Statistics Undergraduate Advisor or the Statistics Department Chairperson.

All 500-600 level courses in Statistics/Other Pre-Approved

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