

Actuarial Science

CENTRAL WASHINGTON UNIVERSITY, Ellensburg, WA

Required Courses	Course Title	Quarter Credits
Math 172, 173	Calculus	10
Math 265	Linear Algebra	4
Math 272, 273	Multivariable Calculus	10
Math 311	Statistical Methods	5
Math 410A, 410B	Advanced Statistical Methods	6
Math 411A	Introduction to Probability Theory	4
Math 411B, 411C	Mathematical Statistics	6
Math 413	Introduction to Stochastic Process	5
Math 418A, 418B, 418C	Theory of Interest I, II, III	(3,3,3)
Math 419A, 419B, 419C OR	Actuarial Mathematics I, II, III	(3,3,3)
Math 417A, 417B, 417C	Loss Models I, II, III	(3,3,3)
Acct 251	Financial Accounting I	5
Econ 201	Micro Economics	5
Econ 202	Macro Economics	5
Econ 401	Intermediate Microeconomic Analysis	5
Econ 402	Intermediate Macroeconomic Analysis	5
Finance 370	Business Finance	5
Finance 475	Investments	5
CS 105 or CS 110	Fundamentals of Computer Science I	4
CS 367	Visual Basic Programming	4
Total:		108

The following seminars, while not required, are recommended preparation for the actuarial exams and SOA/CAS VEE requirements.

Course	Title	Preparation for
Math 416A	Seminar: Actuarial Science Problems II	Course 1-Probability&Mathematical Statistics Segment
Math 416B	Seminar: Actuarial Science Problems III	Course 1-Insurance Application
Math 414	Time Series	SOA/CAS VEE earned credits

COURSE TAKING TIMELINE and RECOMMENDATION

YEAR	Fall	Winter	Spring
1	Math 173 Acct 251 Econ 201	Math 272, Math 265 Econ 202, Econ 401 CS 105 or CS 110	Math 273 Econ 402 CS367
2	Math 411A Math 311 Math 418A	Math 411B Math 410A Math 418B	Math 411C Math 410B Math 418C

3	Math 417A (or Math 419A) Fin 370	Math 417B (or Math 419B) Fin 475	Math 417C (or Math 419C) Math 414
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REVELANT LINKS TO PROFESSIONAL SOCIETIES

[Society of Actuaries](#)

[Canadian Institute of Actuaries](#)

[Faculty and Institute of Actuaries](#)

[Casualty Actuarial Society](#)

[Institute of Actuaries of Australia](#)

[International Actuarial Association](#)

[American Academy of Actuaries](#)

[Actuarial Societies List Worldwide](#)

FACULTY ADVISORS at CWU

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ACTUARIAL STUDENT CLUB



