

BIostatISTICS AMP

All students must meet the Requirements for the Accelerated Master's Degree Programs (<http://catalogue.uvm.edu/graduate/degreerequirements/requirementsforacceleratedmastersdegreeprograms/>)

OVERVIEW

A master's degree in mathematics, statistics or biostatistics can be earned in a shortened time by careful planning during the junior and senior years at UVM. For example, the M.S. could be earned in just 1 additional year, because 6 credits of graduate level courses taken while an undergraduate can also be counted concurrently toward the M.S. degree requirements. Another 3 graduate credits can be counted towards the M.S. degree while an undergraduate but cannot count towards the B.S. degree.

SPECIFIC REQUIREMENTS

Requirements for Admission to Graduate Studies for the Degree of Master of Science

Students should discuss the possibility of an Accelerated Master's Entry Program in biostatistics with the respective program director as soon as they think they may be interested in this program. Students must declare their wish to enter the Accelerated Master's Entry Program in writing to the statistics program director (it is recommended that this happen before the end of their junior year). They would apply to the Graduate College for admission, noting their interest in the Accelerated Master's Program. They can receive concurrent undergraduate and graduate credit for 1 or 2 graduate level courses, once admitted. No graduate credit can be counted for statistics courses earned prior to admission to the graduate program.

Minimum Degree Requirements for the Degree of Master of Science

Option A (Thesis)			
A 30 credit program requiring 24 credits of course work. The program must include:			
STAT 200	QR: Med Biostat&Epidemiology		3
STAT 221	QR: Statistical Methods II		3
STAT 223	QR:Appld Multivariate Analysis		3
STAT 231	QR: Experimental Design		3
STAT 251	QR: Probability Theory		3
STAT 261	QR: Statistical Theory		3
STAT 229	QR:Survivl/Logistic Regression		3
STAT 360	Linear Models		3
6 credits of approved thesis research			6

Option B (Non-Thesis)		
A 30 credit program requiring 27 credits of course work. The program must include:		
STAT 200	QR: Med Biostat&Epidemiology	3
STAT 221	QR: Statistical Methods II	3
STAT 223	QR:Appld Multivariate Analysis	3
STAT 231	QR: Experimental Design	3
STAT 251	QR: Probability Theory	3
STAT 261	QR: Statistical Theory	3
STAT 229	QR:Survivl/Logistic Regression	3
STAT 360	Linear Models	3
3 additional course credits are required. Another 200/300 level statistics course (except BIOS 211, BIOS 241, STAT 281) or (if approved) other courses in mathematics, quantitative methods, or specialized fields of application can be selected.		3
The research project requirement is met by taking 3 credits of:		
STAT 381	Statistical Research	3
or STAT 385		Consulting Practicum

Both Options	
Under both plans, students must have or acquire a knowledge of the material in BIOS 211, attend the regular colloquium series and participate in the Statistics Student Associate Journal Club as part of their training. The comprehensive examination covers knowledge acquired in the core courses of the program. Under the non-thesis option, students will be expected to take major responsibility for a comprehensive data analysis or methodological research project, and are encouraged to present the results from the project.	

Comprehensive Examination

A written comprehensive examination is based on the courses STAT 211, STAT 221, STAT 223, STAT 231, STAT 251, and STAT 261. The comprehensive exams are typically held both 1 week prior to the start of the spring semester and approximately 2 weeks after the final exam in the spring semester. The student can take the exam a maximum of 2 times.

Requirements for Advancement to Candidacy for the Degree of Master of Science

Successful completion of any pre-requisite courses, and at least 15 graded graduate credits earned in compilation of the graduate GPA, including all core courses. A GPA of 3.00 or greater is also required.