



Cornell Bowers C-IS Statistics and Data Science

Field Manual: Graduate Field of Statistics | Cornell University

ARTICLE I: AUTHORITY AND JURISDICTION

1.1 Scope and Governance

This manual shall govern all matters relating to the Graduate Field of Statistics at Cornell University.

1.2 Administrative Authority

The following officials shall have primary oversight:

Director of Graduate Studies (DGS): Yang Ning (yn265@cornell.edu)

Department Chair: James Booth (jim.booth@cornell.edu)

Graduate Field Coordinator: Allen Ward (aw269@cornell.edu)

1.3 Program Structure

a) The Graduate Field of Statistics encompasses two distinct programs:

1. Statistics PhD Program

2. Applied Statistics MPS Program

b) Each program shall maintain separate administrative oversight.

ARTICLE II: ENROLLMENT AND REGISTRATION

2.1 Registration Requirements

- a) Students MUST complete six (6) semesters of full-time registration prior to B-Exam
- b) Of these, two (2) semesters MUST occur after passing A-Exam
- c) For non-thesis master's degree: minimum four (4) semesters full-time registration required
- d) Failure to maintain registration will result in loss of active student status

2.2 Full-Time Status Definition

A student shall be considered full-time when:

- a) Registered and enrolled in courses, OR
- b) Engaged in thesis/dissertation work

2.3 Summer Registration

a) Summer registration is NOT required unless:

1. Student receives assistantship or support requiring it
2. Student requires access to campus facilities

b) Summer registration procedure:

1. Enroll in GRAD 9016
2. No tuition cost applies
3. Section selection is discretionary

ARTICLE III: SPECIAL COMMITTEES

3.1 Committee Formation Requirements

- a) Doctoral students MUST have minimum three (3) members
- b) Chair MUST be selected by week 3 of first semester
- c) Full committee MUST be formed by end of third semester

d) Failure to meet these deadlines may result in academic hold

3.2 Committee Composition

a) Chair shall serve as primary advisor and thesis/dissertation supervisor

b) Minimum two (2) members must be general graduate faculty

c) Additional members may be drawn from any graduate faculty

d) DGS may serve as temporary chair until permanent chair is selected

3.3 Major Subject Concentrations

The following concentrations are authorized:

- Biometry
- Decision theory
- Econometrics
- Engineering statistics
- Experimental design
- Mathematical statistics
- Probability
- Sampling
- Social statistics
- Statistical computing
- Stochastic processes

ARTICLE IV: DEGREE REQUIREMENTS

4.1 Required Coursework

Students **MUST** complete the following courses:

a) First Year, Fall:

- STSCI 7170 Linear Models
- STSCI 7180 Generalized Linear Models
- MATH 6710 Probability

b) First Year, Spring:

- STSCI 6520 Statistical Computing
- MATH 6720 Probability II or STSCI 6750 Probability II for Statisticians
- STSCI 6730 Theory of Statistics

c) Second Year:

- MATH 6740 Asymptotic Statistics (Fall)
- BTRY 7950 Statistical Consulting
- BTRY 7951 Advanced Statistical Consulting

4.2 Additional Requirements

a) Qualifying Examination (Q-Exam):

1. May be required after first year assessment
2. If required, student must complete 4-5 additional elective courses

b) Elective Courses:

1. 4-5 courses required
2. Must be approved by special committee chair
3. Typically completed in years 2-4

4.3 Examinations

a) A-Exam (Admission to Candidacy):

1. May be taken after two semesters
2. Must be attempted before year 4

3. Passing grants doctoral candidacy status

b) B-Exam (Final Examination):

1. Minimum one-month waiting period after all requirements met
2. Two semesters minimum between A-Exam and B-Exam

c) Examination Scheduling:

1. One-week advance notice required
2. Must submit title, abstract, date, time, location
3. Submit via Graduate School forms website

ARTICLE V: FUNDING AND SUPPORT

5.1 Guaranteed Funding

a) PhD students receive 5-year funding guarantee if:

1. Maintain good academic standing
2. Make sufficient academic/research progress

b) Funding sources may include:

1. Teaching assistantships
2. Research assistantships
3. External fellowships
4. Cornell fellowships

5.2 Coverage

All funding packages shall include:

- a) Tuition
- b) Health insurance
- c) Stipend (rate determined by funding source)

ARTICLE VI: FACILITIES AND SERVICES

6.1 Office Locations

a) Malott Hall:

1. Primary PhD student offices (1st and 3rd floors)
2. Study lounge (3rd floor)
3. Kitchen facilities
4. Printing/scanning services

b) Comstock Hall:

1. Faculty offices
2. Select PhD offices
3. Seminar and lecture rooms
4. Kitchen facilities
5. Printing/scanning services

6.2 IT Services

- a) All IT requests must be submitted to: itcoecis-help@cornell.edu
- b) Printer access requires ITSG setup

6.3 Parking

- a) Vehicle registration required at Transportation Services
- b) Location: 116 Maple Avenue
- c) Contact: 607-255-4600

ARTICLE VII: STUDENT WELFARE AND SUPPORT

7.1 Statistics Graduate Society (SGS)

a) Student-run organization

b) Provides:

1. Speaker series
2. Discussion groups
3. Networking events
4. Social activities

7.2 Progress Review

a) Annual Student Progress Review (SPR) required for:

1. All doctoral students year 2 and beyond
2. Regardless of graduation timeline

7.3 Health Services

a) Cornell Health:

1. Location: 110 Ho Plaza
2. Website: health.cornell.edu
3. Phone: 607-255-5155

b) Emergency Services:

1. Cornell Police: 607-255-1111
2. Cayuga Medical Center: 607-274-4411
3. WellNow Urgent Care: 607-319-4563

This manual supersedes all previous versions and shall be binding upon all graduate students in the Field of Statistics at Cornell University.