

REQUIREMENTS FOR THE Ph.D. DEGREE

Effective August 2015

COURSE AND CREDIT REQUIREMENTS

The required 72 credits involve 11 core courses, 4 field courses, 6 credits of electives (generally 2 courses), plus credit for a research seminar, a research replication, and dissertation work. The specifics are summarized as follows:

<u>COURSE</u>	<u>TITLE</u>	<u>CREDITS</u>
CORE COURSES		
ECON 501	Quantitative Methods for Economists	3
ECON 505	History of Economic Thought	3
ECON 604	Macroeconomic Analysis I	3
ECON/AREC 535	Applied Econometrics	3
ECON/AREC 606	Microeconomic Analysis I	3
ECON/AREC 635	Econometric Theory I	3
ECON/AREC 735	Econometric Theory II	2
ECON/AREC 736 (A, B, C, or D)	Quantitative Analysis	1
ECON 704	Macroeconomic Analysis II	3
ECON 705	Heterodox Economic Theory	3
ECON/AREC 706	Microeconomic Analysis II	3
	SUBTOTAL	30
FIELD COURSES	Two pairs of field courses from among the field pairs designated by the Department	12
ELECTIVES	Electives ¹	6
RESEARCH AND DISSERTATION		
ECON 698	Research Replication ²	3
ECON 793	Seminar -General	3
ECON 799	Dissertation	18
EXAMS ³		
	PROGRAM TOTAL	72 credits

Check the Colorado State University General Catalog to see course prerequisites.

¹ Electives do not include ECON 504, 506, 698, 699, 784 or 799. Electives must be 500-level or higher.

² Completion of the Research Replication, with satisfactory oral defense/presentation along with appropriate course work, satisfies the requirements for the Plan B M.A. degree. Therefore, the M.A. degree can be awarded along the way to the Ph.D.

³ Students must pass the written Ph.D. Qualifying Exam, preliminary Oral Exam, and final Oral Exam.

FIELDS

Students choose two of the following pairs of courses, and must complete each course in each pair with a grade of at least B, to satisfy the Fields requirement:

Development Economics

ECON 760	Microeconomic Development*
ECON 792E	Macroeconomic Development*

Environmental Economics

ECON/AREC 740	Advanced Natural Resources Economics
ECON/AREC 741	Advanced Environmental Economics

International Economics

ECON 640	International Trade Theory and Policy
ECON 742	International Finance Theory and Policy*

Political Economy

ECON 772	Marxian Political Economy
ECON 770	Political Economy of Race and Gender

Public Economics

ECON 520	Public Economics I**
ECON 720	Public Economics II**

Regional Economics

ECON/AREC 563	Regional Economics Theory and Methods
ECON 663	Urban and Regional Modeling

Please note that faculty availability and student demand affect the feasibility of offering particular field courses in particular years, and students should solicit information from the Coordinator of Graduate Studies and/or the Economics office as needed as to which field options are currently available to fit the timing of their program plans.

GPA REQUIREMENTS

Students must maintain a 3.0 minimum GPA across 500+ level ECON courses; must maintain a 3.0 minimum GPA for University course work in general; and must earn a grade of at least B in each course counting toward a declared field.

* These courses are listed as "Theories of Economic Development" (ECON 760), "Seminar: Development" (ECON 792E), and "International Production and Monetary Theory" (ECON 742) in the current General Catalog.

** These classes can be taken in either order just like all other field courses.

EXAMINATIONS

Ph.D. Qualifying Examination in Macroeconomics and Microeconomics

To qualify to continue in the program, Ph.D. students must pass the written Qualifying Examination. The Qualifying Exam includes two halves, macroeconomic theory and microeconomic theory, and requires the student to demonstrate achievement of an acceptable level of professional competence in these fundamental areas of modern economics. To attempt the Qualifying Exam, an individual must be a registered Economics graduate student who is in compliance with the program's GPA standards for Satisfactory Performance, and who has completed the Macro and Micro theory course sequences. To meet Satisfactory Progress standards, students must attempt the Qualifying Exam in January of the second year (after completion of Econ 704 and 706). For additional information, see the website under Ph.D. Qualifying Examination.

Preliminary Oral Comprehensive Examination

After passing the Qualifying Examination, and at least two semesters before the final oral examination (dissertation defense), the student must pass an oral comprehensive exam administered by his/her advisory committee. The content of this exam will be determined by the committee in each case but will ordinarily include presentation of a prospectus of the student's proposed dissertation research. In addition, material covering economic theory or the student's fields may be included where the committee determines that such coverage is warranted.

Final Oral Examination (Dissertation Defense)

The final examination is an oral dissertation defense in which the student is examined on the contents and methods of his/her dissertation research as well as related areas of economics.

RESEARCH

The Replication Exercise

During the spring of the second year, students write papers based on replicating research from a published paper and adding their own modifications as part of ECON 698. These papers are presented in a special seminar to satisfy the presentation/defense requirement for the M.A. (Plan B), both for students who continue to the Ph.D., and those who ultimately do not pass the Qualifying Examination or who otherwise do not complete the Ph.D. program.

Seminar

Students enroll in one semester of Research Seminar, ECON 793, in the sixth semester. Third-year students begin researching and writing their dissertation proposals. Students are encouraged to start independent research before ECON 793.

The Dissertation

Each candidate for the Ph.D. degree must submit an acceptable dissertation, embodying publishable original research on a topic approved in advance by the student's committee. A Ph.D. dissertation is the

scholar’s own contribution to knowledge and reflects the ability to conduct and communicate independent research of such caliber and expertise that it adds significantly to the field of knowledge. The dissertation format must comply with the standards specified in the Graduate School’s Thesis Manual (available at the CSU Bookstore) and be approved by the Department prior to binding. A hardbound copy of the dissertation must be submitted to the Department Chair. *It is also customary for the student to gift a hard-bound copy of the dissertation be presented to the student’s dissertation advisor.*

TIME LIMITS

The Graduate School requires that courses applied toward fulfilling the requirements for a doctoral degree must have been completed within the ten years immediately preceding the date of completion of requirements for the doctoral degree. This requirement does not apply to courses transferred from the Master’s degree. In addition to this general requirement, the Department has its own stricter standards for timely progress; see the website under Satisfactory Progress.

PROGRAM SCHEDULE

The following sample 5-year schedule assumes no transfer credit, and aims to prepare the student to be on the academic job market in the fall of the fifth year. Schedules for students in the second, third and fourth years will depend on the scheduling of the field courses in which they are interested. It is not uncommon for students to extend into their sixth year, but it is uncommon for a program of study to extend longer than six years.

FIRST YEAR	Fall	ECON 501, ECON 505, ECON/AREC 535
	Spring	ECON 604, ECON/AREC 606, ECON 705
SECOND YEAR	Fall	ECON/AREC 635, ECON 704, ECON/AREC 706
	Spring	Qualifying Examination, ECON 698, ECON/AREC 735**, ECON/AREC 736 (A,B,C, or D)**, 1 Field/Elective
THIRD YEAR	Fall	3 Field/Elective
	Spring	ECON 793 and work toward dissertation proposal, 2 Field/Elective
FOURTH YEAR	Fall	Preliminary Oral Examination, dissertation work, 1 Field/Elective***
	Spring	Dissertation work
FIFTH YEAR	Fall	Job market, dissertation work
	Spring	Dissertation work, final oral examination, submission of the final dissertation

**ECON/AREC 735 and 736 (A, B, C, or D) are 2 and 1 credit respectively.

***The schedule is for illustration purposes only. You may take field or elective courses in any order and may take at any time during your Third year onward. Elective courses may include graduate courses offered by other departments. Instructors are funded for up to 5 credits in any semester. Others may want to plan to finish coursework in earlier semesters for funding reasons.