

Psychological and Quantitative Foundations, PhD

Academic Plans

Sample Plans of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Psychological and Quantitative Foundations, PhD

- Counseling Psychology Subprogram [p. 1]
- Educational Measurement and Statistics Subprogram [p. 2]
- Learning Sciences and Educational Psychology Subprogram [p. 3]
- School Psychology Subprogram [p. 4]

Counseling Psychology Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
100 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^{a, b}		
Hours		0
First Year		
Fall		
PSY:5410 or PSQF:6312	Proseminar in Developmental Science ^c or Psychopathology Across the Lifespan	3
PSQF:6225	Introduction to Counseling Psychology Practice, Research, and Theory	3
PSQF:6243	Intermediate Statistical Methods	3
PSQF:7394	Supervised Research in Counseling Psychology	1
PSQF:7457	Advanced Group Leadership Experience	3
Hours		13
Spring		
PSQF:6223	Introduction to Counseling Psychology Practice/Research I	3
PSQF:7310	Intelligence Assessment	3
PSQF:7365	Theories of Psychotherapy	3
SOC:6210 or PSQF:7367	Contemporary Approaches to Social Psychology ^c or Social Psychology and Social Systems	3
PSQF:7394	Supervised Research in Counseling Psychology	1

Quantitative statistics/research methodology course ^d		3
Hours		16
Summer		
PSQF:5900	Psychometrics ^e	1
Hours		1
Second Year		
Fall		
PSQF:7306	Psychotherapy III: Work Psychology and Career Interventions	3
PSQF:7394	Supervised Research in Counseling Psychology	1
PSQF:7434	Practicum in Counseling Psychology	3
PSQF:7465	Issues and Ethics in Professional Psychology	3
PSY:6370 or PSY:6440	Principles of Neuropsychology ^c or Developmental Cognitive Neuroscience	3
Hours		13
Spring		
PSQF:6235	Multicultural Counseling	3
PSQF:7356	Process and Outcomes in Counseling Psychotherapy	3
PSQF:7394	Supervised Research in Counseling Psychology	1
PSQF:7453	Advanced Practicum in Counseling Psychology	3
Qualitative research course ^f		3
Hours		13
Third Year		
Fall		
PSQF:7320	History and Systems of Psychology ^c	3
PSQF:7394	Supervised Research in Counseling Psychology	1
PSQF:7453	Advanced Practicum in Counseling Psychology	3
PSY:5610 or PSQF:6200 or PSY:6230	Proseminar in Cognition and Perception ^c or Educational Psychology or Foundations of Learning, Memory, and Cognition	3
Elective course		3
Hours		13
Spring		
Exam: Doctoral Comprehensive Exam ^g		
PSQF:7309	Personality Assessment	3
PSQF:7394	Supervised Research in Counseling Psychology	1
PSQF:7452	Leadership, Consultation, and Supervision	3
PSQF:7453	Advanced Practicum in Counseling Psychology	3
Elective course		3
Hours		13
Fourth Year		
Fall		
Apply for Internship		

PSQF:7453	Advanced Practicum in Counseling Psychology	3
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	6
Hours		9
Spring		
PSQF:7453	Advanced Practicum in Counseling Psychology	3
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	6
Exam: Doctoral Final Exam ^h		
Hours		9
Fifth Year		
Any Semester		
Internship Year ^{i,j}		
PSQF:7470	Internship and Professional Issues	3
Hours		3
Total Hours		103

- a Students entering with a bachelor's degree must work with their faculty advisor to complete 30 s.h. of appropriate graduate coursework to fulfill the MA requirements. Students entering with a master's degree from Iowa or an accredited institution with fewer than 30 s.h. of coursework must work with their faculty advisor to complete the needed appropriate graduate coursework to fulfill the MA requirements.
- b Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- c Satisfies a Discipline-Specific Knowledge area requirement. Must be completed before taking the comprehensive exam.
- d Choose one course from PSQF:6244, PSQF:6246, PSQF:6252, PSQF:6270, PSQF:7201.
- e Course may be taken during any summer session.
- f Choose one course from PSQF:7331, CSED:7338, EDTL:7070, EPLS:7373.
- g Consists of oral and written components; includes research and practice elements. For more information contact the program coordinator.
- h Dissertation defense.
- i Students spend a calendar year in an internship setting approved by the counseling psychology faculty. The faculty determines student readiness to apply for the internship based on completion of all required coursework, successful defense of comprehensive exams, and successful completion of practicum requirements. Internships usually require geographic relocation.
- j For students who have already successfully defended their dissertation.

Educational Measurement and Statistics Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
90 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Hours		0

First Year		
Fall		
PSQF:6243	Intermediate Statistical Methods	3
PSQF:6225	Introduction to Counseling Psychology Practice, Research, and Theory	3
PSQF:6257	Educational Measurement and Evaluation	3
PSQF:6270	Generalized Linear Models	3
Hours		12
Spring		
PSQF:6258	Theory and Technique in Educational Measurement	3
PSQF:6262	Item Response Theory	3
Applied statistics elective course ^b		3
Educational measurement elective course ^b		3
Hours		12
Second Year		
Fall		
PSQF:6246	Design of Experiments	3
PSQF:7358	Equating and Scaling of Educational Tests	3
Applied statistics elective course ^b		3
Third area of concentration elective course ^c		3
Hours		12
Spring		
PSQF:6252	Introduction to Multivariate Statistical Methods	3
PSQF:6255	Construction and Use of Evaluation Instruments	3
Applied statistics elective course ^b		3
Third area of concentration elective course ^c		3
Hours		12
Third Year		
Any Semester		
Exam: Doctoral Comprehensive Exam ^d		
Hours		0
Fall		
Educational measurement elective course ^b		3
Third area of concentration elective course ^c		3
Elective course ^e		3
Elective course ^e		3
Hours		12
Spring		
Elective course ^e		3
Hours		12
Fourth Year		
Fall		
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	6
Elective course ^e		3
Hours		9
Spring		
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	6

Elective course ^e	3
Exam: Doctoral Final Exam ^f	
Hours	9
Total Hours	90

a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.

b See the General Catalog for list of approved courses.

c Students are required to complete a minimum of 9 s.h. in a coherent program of coursework outside of educational measurement and statistics that is beyond the courses listed above. The third area of concentration may come from related disciplines such as mathematical statistics, biostatistics, computer science, curriculum, higher education, program evaluation, learning sciences, data science, or informatics. These must be graduate level courses that are consistent with a plan approved by the student's advisor.

d After completing most of their coursework, students take the comprehensive examination, which consists of a written component followed by an oral component. The comprehensive examination is not a deferred qualifying examination. Rather, it is intended to evaluate a student's mastery of the concepts from the program of study at or near the end of the student's formal preparation and before completion of the dissertation.

e Work with faculty advisor to determine appropriate graduate level coursework and sequence.

f Dissertation defense.

Learning Sciences and Educational Psychology Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Hours		0
First Year		
Fall		
PSQF:6200	Educational Psychology	3
PSQF:6205	Design of Instruction	3
PSQF:6243	Intermediate Statistical Methods	3
Hours		9
Spring		
PSQF:6281	Cognitive Theories of Learning	3
PSQF:7331	Qualitative Educational Research Methods	3
Core course ^b		3
Hours		9
Second Year		
Fall		
PSQF:6204	Foundations of the Learning Sciences	3
PSQF:6214	Design of Learning Environments: Theory, Practice, and Method	3

PSQF:6299	MA Project: Portfolio/Internship/ Practicum	1
Research course ^c		3
Hours		10

Spring		
PSQF:6203	Tools and External Representations in Individual and Social Learning	3
PSQF:6220	Quantitative Educational Research Methodologies	3
PSQF:6299	MA Project: Portfolio/Internship/ Practicum	1
Core course ^b		3
Hours		10

Third Year		
Fall		
PSQF:6230	Research in Educational Psychology	2
Minor area course ^d		3
Minor area course ^d		3
Core course ^b		3
Hours		11

Spring		
Exam: Doctoral Comprehensive Exam ^e		
PSQF:6230	Research in Educational Psychology	1
Minor area course ^d		3
Minor area course ^d		3
Elective course ^b		3
Hours		10

Fourth Year		
Fall		
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	5
Elective course ^b		3
Hours		8

Spring		
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	5
Exam: Doctoral Final Exam ^f		
Hours		5
Total Hours		72

a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.

b Work with faculty advisor to determine appropriate graduate level coursework and sequence.

c Choose from PSQF:6244, PSQF:6246, PSQF:6247, PSQF:6252.

d Students must complete a minimum of 12 s.h. that constitute a coherent program of coursework outside educational psychology. The minor area courses may be from a foundation discipline such as mathematics education, educational philosophy, or program evaluation. Courses must be numbered 5000 or above, can span across departments and colleges, and must be consistent with a plan approved by a student's advisor.

e Students choose from three options in consultation with their advisor and with the approval of their examining

committee. The options are a traditional comprehensive examination, a review article, or an extended research activity. See the General Catalog and the department website for specifics.

f Dissertation defense.

School Psychology Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
108 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Graduate College program GPA of at least 3.00 is required. ^b		
Hours		0
First Year		
Fall		
PSQF:5219	Foundations of Health Service/School Psychology	3
PSQF:6238	Assessment of Learning Differences	3
PSQF:7310	Intelligence Assessment	3
PSQF:7315	Social and Emotional Assessment of Children and Adolescents	3
Hours		12
Spring		
EDTL:4950	Behavioral and Social Interventions	3
PSQF:5199	Topical Workshop in Psychological and Quantitative Foundations	1
PSQF:6213	Advanced Lifespan Development	3
PSQF:7237	Beginning Practicum in School Psychological Service	3
PSQF:7344	Academic Interventions	3
Hours		13
Summer		
EDTL:4900	Foundations of Special Education ^c	3
PSQF:5900	Psychometrics	1
Hours		4
Second Year		
Fall		
PSQF:7465 or EDTL:5963	Issues and Ethics in Professional Psychology ^d or Ethics and Professional Conduct for Behavior Analysts and Psychologists	3
EDTL:7953	Seminar: Single Subject Design Research	3
PSQF:6312	Psychopathology Across the Lifespan	3
PSQF:7337	Advanced Practicum in School Psychology	3
PSQF:7342	Research Project in School Psychology	1
Hours		13
Spring		
PSQF:6235	Multicultural Counseling	3
PSQF:6263	Consultation Theory and Practice	3

PSQF:6281	Cognitive Theories of Learning	3
PSQF:7337	Advanced Practicum in School Psychology	3
PSQF:7342	Research Project in School Psychology	1
Hours		13
Summer		
EPLS:4180	Human Relations for the Classroom Teacher ^c	3
Hours		3
Third Year		
Fall		
EDTL:5961	Foundation of Applied Behavior Analysis ^e	3
PSQF:6243	Intermediate Statistical Methods	3
PSQF:7320	History and Systems of Psychology	3
PSQF:7337	Advanced Practicum in School Psychology	3
Hours		12
Spring		
CSED:5222 or CSED:5202	Counseling Children and Adolescents in Schools or Introduction to Group Counseling	3
PSQF:7337	Advanced Practicum in School Psychology	3
PSQF:7367	Social Psychology and Social Systems	3
Elective course ^f		3
Hours		12
Summer		
PRAXIS Exam ^g		0
Hours		0
Fourth Year		
Any Semester		
Exam: Doctoral Comprehensive Exam ^h		0
Hours		0
Fall		
PSQF:6244 or PSQF:6246	Correlation and Regression or Design of Experiments	3 - 4
PSQF:7331 or EPLS:7373	Qualitative Educational Research Methods or Qualitative Research Design and Methods	3
PSY:6370 or PSY:5203	Principles of Neuropsychology or Fundamental Neurobiology I	3
Hours		9-10
Spring		
PSQF:7337	Advanced Practicum in School Psychology	3
PSQF:7390	Supervision of School Psychology Practicum/Internship	3
Elective course ^f		3
Hours		9
Fifth Year		
Fall		
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	3
Hours		3

Spring		
PSQF:7493	PhD Thesis in Psychological and Quantitative Foundations	3
Hours		3
Sixth Year		
Fall		
PSQF:7437	Internship in School Psychology	1
Hours		1
Spring		
PSQF:7437	Internship in School Psychology	1
Exam: Doctoral Final Exam ⁱ		
Hours		1
Total Hours		108-109

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Graduate College program GPA is comprised of all courses that are approved degree requirements. If a student takes more than the minimum required number of semester hours to complete the degree, but all courses taken are eligible to count toward the degree, those courses will be included in the Graduate College program GPA.
- c Required for Social Psychology Certification in Iowa.
- d Students completing the BCBA Certificate must take EDTL:5963 to meet APA and BCBA ethics requirements.
- e Also meets requirements for BCBA Certificate.
- f Work with faculty advisor to select appropriate elective coursework.
- g Successful completion of the PRAXIS II-School Psychology subject test 5403 is required for program completion.
- h Typically completed by the end of the fourth year; see the College of Education website for specifics.
- i Dissertation defense.