



College of Education

DEPARTMENT OF TEACHING AND LEARNING

Language, Literacy, and Technology Program

**Student Handbook
Doctorate Degree**



Office of Graduate Education
Cleveland Hall 70, Pullman, WA 99164-2114
Telephone: (509) 335-9195/335-7016, Fax: (509) 335-6961
Email: gradstudies@wsu.edu
<https://education.wsu.edu/graduate/>

Academic Year
2022-2023

Updated Summer 2022

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Introduction

Congratulations on your admission to the LLT doctoral degree program in the Department of Teaching and Learning at Washington State University (WSU). This handbook's guidelines assist you in planning and completing your program. Please read and discuss them with your advisor. Because the LLT program currently exists only on the Pullman campus, the information in this handbook refers only to that campus. If you have questions that are not addressed in this handbook, please contact your advisor or the staff in the Office of Graduate Education in the College of Education (COE). You can also visit our website (<https://education.wsu.edu/graduate/>) for additional information.

The forms described in this handbook are available from the College of Education (COE) Office of Graduate Education website (<https://education.wsu.edu/graduate/formsanddeadlines/>) and the Graduate School website (<https://gradschool.wsu.edu/facultystaff-resources/18-2/>).

Welcome from the Department Chair

I would like to take this opportunity to welcome you to the Department of Teaching and Learning graduate program. The faculty supports a robust mentorship program and encourages master's degree students to work closely with faculty of their choosing in investigating the world of research, knowledge generation and dissemination, pedagogical action, and advocacy.

We have highly talented and knowledgeable faculty in the Department. The faculty are both excellent teachers and superb researchers. They are closely connected to the K-12 public school system and active contributors to research in their respective fields. The faculty conduct a wide range of research, some of which are integrated into the public-school systems (e.g., implementation of the CCSS with informational science texts, professional development for teachers) and some that are aimed at community-based solutions to educational issues. You can access these faculty and their projects through coursework, advising structures, and research publications. Seek out this faculty's expertise in teaching and research as you progress through the program.

Please read through this Student Handbook before beginning your program of study. It is designed to help you navigate all the transitions, procedures, and processes that graduate education involves. Discuss the items in this handbook with your advisor and graduate committee. **Be aware of the deadlines described in the handbook.**

We strive to facilitate and support a collaborative, positive, and productive culture for our graduate students. We are here to help you achieve your graduate goals. The faculty and staff in the Language, Literacy, and Technology (LLT) Program and in the Department of Teaching and Learning welcome you to the graduate program and offer their assistance throughout your program.

Tariq Akmal, Ph.D.
Chair, Department of Teaching & Learning

Language, Literacy, and Technology Program Overview

Program Vision

The Language, Literacy, and Technology (LLT) graduate program is valued by potential students, graduates, and institutions as rigorous, relevant, and innovative, offering superior quality professional preparation that produces exceptional and creative researchers and teachers with a focus on improving the lives of students, teachers, and schools. The Language, Literacy, and Technology doctoral program emphasizes the generation, application, and translation of research that will enhance the field of education through the exploration of language, literacy, and technology.

Mission

The mission of the Language, Literacy, and Technology doctoral program is a) to promote a deeper understanding of the influences of language, literacy, and technology by conducting and supporting high-quality research, b) to support and promote high-quality instruction in the three areas and integrated contexts in both formal and informal settings, and c) to understand how human development, culture, policy, knowledge of language, and other issues support and shape language, literacy, and technology practices.

Student Learning Outcomes

After completing the Language, Literacy, and Technology Doctoral Degree Program, students will:

1. Locate, analyze, and synthesize research literature, and apply that synthesis to problems of practice and theory.
2. Effectively communicate scholarly work through written, oral, and/or alternative formats.
3. Publish and/or present original scholarship demonstrating the acquisition and application of new knowledge and theory.
4. Collaborate successfully with faculty and/or peers on scholarship.

The Language, Literacy, and Technology Doctoral Degree Handbook is designed for current and prospective students on the Pullman campus, and course delivery is available to urban campuses as needed. Current doctoral degree students will find this Handbook helpful in understanding the degree program, the process for enrolling in coursework, and information regarding policies and procedures for successfully completing a degree program. If you have questions not addressed in these guidelines, please visit our website (<https://education.wsu.edu/graduate/llt/>), contact your advisor, or contact/visit the Academic Coordinators within the College of Education's (COE) Office of Graduate Education.

The Department of Teaching and Learning offers one Language, Literacy, and Technology doctoral degree: The Doctor of Philosophy (Ph.D.) in Language, Literacy, and Technology. Your Program of Study is developed in collaboration with your faculty advisor and your doctoral degree committee.

Program Content - Doctor of Philosophy in LLT

The LLT program offers a Doctor of Philosophy (Ph.D.). The Ph.D. emphasizes research that significantly contributes to knowledge in the field of education. It is designed for those students wishing to pursue a higher education career or a research/leadership role in schools, organizations, or agencies.

The Ph.D. degree program consists of a total of 72 required credits, with a minimum of 34 graded credits and a minimum of 20 credits of dissertation credits (LLT 800). The performance criteria in LLT 800 are based on a satisfactory/unsatisfactory scale instead of a letter grade.

You will work with your advisor/program of study chair to plan a course of study that is intellectually coherent and relevant to your needs and interests.

The following is a breakdown of required foundational core, research, and elective requirements for the Ph.D. degree. For specific courses and semester offerings, please see ([Appendix B](#)). It is anticipated that completion of the degree will average three to five years.

LLT Doctoral Credit Overview

	Credits
Graded Credits	
LLT Core Courses	18
Research Courses	12
Elective Courses	4
Total Required Graded Credits (A-F grading rubric)	34
Additional Graded and/or Non-Graded Courses (A-F or S/F grading rubrics)	18
Dissertation credits	20
Total Credits	72

Program Faculty by Campus

Pullman

Joy Egbert, Ph.D., University of Arizona, jegbert@wsu.edu

- Engagement and differentiation, Computer Assisted Language Learning (CALL), Teacher Education

Anne Marie Guerrettaz, Ph.D., Indiana University, a.m.guerrettaz@wsu.edu

- Language teaching methods and materials, Bilingual and indigenous language education, Applied linguistics

Jane Kelley, Ed.D., University of Massachusetts, jekelley@wsu.edu

- Children's literature, Critical multicultural analysis, Literacy education

Kelly Puzio, Ph.D., Vanderbilt University, kelly.puzio@wsu.edu

- Literacy instruction, Differentiated instruction, Culturally relevant instruction

Tom Salsbury, Ph.D., Indiana University, tsalsbury@wsu.edu

- Second language acquisition (SLA) Applied linguistics, English language learners

Margaret Vaughn, Ph.D., University of North Carolina at Greensboro, margaret.vaughn@wsu.edu

- Adaptive and equitable practices to support student agency and literacy learning.

Tri-Cities

Yuliya Ardasheva, Ph.D., University of Louisville, yuliya.ardasheva@tricity.wsu.edu

- Interplay between second language and academic development (particularly in science), Contributions of individual differences (e.g., language learning strategies, motivation) to second language development

Eric Johnson, Ph.D., Arizona State University, ejj@tricity.wsu.edu

- Language policy, Bilingual education, Immigrant education

Sarah Newcomer, Ph.D., Arizona State University sarah.newcomer@tricity.wsu.edu

- Culturally responsive literacy instruction, Biliteracy/Bilingual education, School-community partnerships

Vancouver

Deanna Day, Ph.D., University of Arizona, dday-wiff@wsu.edu

- Children's literature, Literature circles, Digital literacy

Jessica Masterson, Ph.D., University of Nebraska-Lincoln, jessica.masterson@wsu.edu

- Secondary language and literacy education, Youth literacies, and Democratic education

Academic & Degree Requirements, Policies, and Procedures

Degree Requirements

The LLT program offers a Doctor of Philosophy (Ph.D.). The Ph.D. emphasizes research that significantly contributes to knowledge in the field of education. It is designed for those students wishing to pursue a higher education career or a research/leadership role in schools, organizations, or agencies.

The Ph.D. requires at least 72 credit hours of study. The Ph.D. program consists of graded and non-graded coursework and must include a minimum of 34 semester hours of graded (A-F rubric) content credit beyond the master's degree. The Ph.D. program requires a minimum of 20 semester/credit hours of Doctoral Research, Dissertation, and/or Examination (LLT 800). The performance criteria in LLT 800 are based on a satisfactory/unsatisfactory scale instead of a letter grade. Work with your advisor/chair to plan a course of study that is intellectually coherent and relevant to your needs and interests.

Mandatory Research Training

As of the Spring 2020 term, all graduate students must complete the **CITI Responsible Conduct of Research/Conflict of Interest** mandatory training. This is a web-based training located at <https://myresearch.wsu.edu/MandatoryTraining.aspx>. You are encouraged to take this training as soon as possible. This training will take approximately 2-3 hours, depending on how in-depth you choose to read. Once you have completed this training, you will receive an email confirmation of your completion. Please forward this email to the College of Education Office of Graduate Education (gradstudies@wsu.edu) and if you have been awarded an assistantship to that department. You will not be eligible for an assistantship until after completing this training.

We must report the date of completion. Failure to take this training will result in a delay in your progression through the graduate program. Therefore, you need to complete this training to finish your program. The training will need to be completed every five years.

If you have questions about this training, please read the webpage <https://gradschool.wsu.edu/responsible-research/> and contact the Office of the Graduate School (509-335-1446 or gradschool@wsu.edu).

Temporary/Permanent Advisor and Committee

The admission letter from the Department indicates who will serve as your temporary advisor. This advisor is a departmental faculty member, usually in an area of specialization of interest to you. The temporary advisor will assist you with the initial selection of coursework. It is your responsibility to contact the temporary advisor as soon as possible after admission to the Department. The temporary advisor serves only until you are ready to select a doctoral degree program committee and permanent advisor. The chair of that committee becomes the permanent advisor (see below). If you wish to change

temporary advisors, you must complete the Change of Temporary Advisor form (<https://education.wsu.edu/documents/2015/09/change-of-temporary-advisor.pdf>).

You are encouraged to select a permanent advisor/committee chair as soon as possible after your first semester of study. By this time, you should know several faculty members and their areas of specialization. According to COE guidelines, the permanent advisor/doctoral committee chair must have a doctoral degree and be qualified to chair doctoral committees. The individual should have expertise in the area that will be the focus of your study. This will be reflected in the faculty member's research and publication record, teaching, and professional service. If you need assistance in selecting a permanent advisor/committee chair, refer to the T&L Faculty Areas of Expertise document available on the WSU College of Education website (<https://education.wsu.edu/research/researchers/>) or consult with the department chair, a faculty member you know, or the staff in the COE Office of Graduate Education. The chair of your committee must be a member of the LLT program faculty.

Your permanent advisor/committee chair will help you develop and file your Program of Study for your Doctoral Degree and identify other faculty members to serve on your doctoral committee. The doctoral committee must consist of at least three (3) members, your chair and two (2) committee members who hold doctoral degrees and are qualified, according to COE guidelines, to serve on doctoral committees. At least two (2) of the three (3) committee members must be from the Department of Teaching and Learning. All three (3) committee members should have expertise related to your Program of Study. If you want a faculty member who does not meet the COE criteria to serve on your doctoral committee, that person may be appointed to the committee as a fourth member. If your Program of Study includes a supporting cognate area, the committee must consist of a faculty member from the cognate area. The supporting cognate area may be from the College of Education or another college.

When selecting committee members, take into account whether each committee member:

- has previous experience on dissertation committees
- meets College of Education criteria for serving on doctoral committees
- is available for the duration of the dissertation (e.g., are there sabbatical or retirement plans?)
- has expertise related to the topic of research
- has expertise in the research methodology
- is accessible for meetings with you and other committee members
- provides prompt and constructive feedback
- is compatible with other committee members
- has the time to devote to your committee

Developing and Submitting the Program of Study

The **Program of Study Request Form** (<https://gradschool.wsu.edu/documents/2016/08/program-study-request.pdf/>) lists your committee chair and other committee members, and the courses comprise your doctoral program. Your permanent advisor/committee chair, in collaboration with other members of your doctoral committee, will help you identify the appropriate coursework for your program of study. The courses are then listed on the Program of Study form. When committee members approve the form in myWSU, it indicates they agree to be on your committee and approve your Program of Study.

The core courses for the Ph.D. include a minimum of 34 semester hours of graded coursework beyond the master's degree. The core should include the required LLT courses listed in this handbook and the Advanced Research Core ([Appendix B](#)).

These graded courses are listed in the "Core Program" section of the Program of Study form. Generally, only graduate-level WSU and transfer courses can be included in the Program of Study. However, your doctoral program committee may approve up to 9 credits of non-graduate credit (300- or 400-level courses at WSU) for your program of study. Any course in the Program of Study form in which a grade of "C-" or below is earned must be repeated as a graded course (it cannot be repeated on an S/F basis-satisfactory/fail).

In the "Research and Additional Studies" section of the Program of Study form, list the Special Projects or Independent Study (TCH LRN 600) and Doctoral Research, Dissertation, and/or Examination (LLT 800) credits you plan to take as well as courses taken on an S/F basis. You must enroll in 2 credits of LLT 800 in the semesters in which you take your Preliminary Examination (sometimes referred to as the comprehensive examination), and the semester you defend your dissertation. Your program must include at least 20 credits of LLT 800. Each semester you must enroll in at least one credit of LLT 800. Before enrolling, meet with your advisor to discuss your goals and to complete the **Independent Study Form** (<https://education.wsu.edu/documents/2015/09/tl-independent-study-enrollment-form.pdf/>). Submit the form to the T&L Office, Cleveland 321, **before** the 10th day of classes.

The POS must be typed and circulated to the faculty members you asked to serve on your doctoral committee for their initial approval. The [Program of Study](#) is submitted through your myWSU account. Although Graduate School policy requires that this form be completed no later than the third semester of graduate work, or if you are a part-time student, no later than your sixth semester, or completion of 24 credits, whichever comes first, you are encouraged to submit it shortly after your first semester of course work, if you are a full-time student, or, if you are a part-time student, during your fifth semester or after completion of 20 credits.

The electronic routing for Graduate School forms may be found in your myWSU account under Profile > Service Requests. *A student's upload and subsequent approvals by committee members and department chair count as ink signatures and become binding for all.* When the Graduate School approves the program of study, an email is sent to you and the COE Office of Graduate Education. The approved program becomes a part of the requirements for the degree and becomes a "contract" between the Graduate School, the academic program, and the student. You are held to the doctoral program requirements in effect at your admission date, provided you submit a Program of Study and have it approved by the Graduate School within one year of your admission date. Otherwise, you will be held to the program requirements in effect at the time of approval of your POS.

After the Program of Study has been approved by the Graduate School, it may be changed by completing either a [Change of Program](#) or [Change of Committee](#) form. Please upload forms through myWSU > Profile > Service Request for electronic approvals.

****Be sure to keep copies of all submitted paperwork****

Transfer Credit and Credit Restrictions

The program will follow the Graduate School Policies & Procedures for transfer credits. The number of transfer credits allowed for a doctoral program is twelve (12) credits and is subject to the departmental recommendation and final approval by the Graduate School.

Credits appropriate to the Program of Study (with a grade of B or higher) earned in other accredited graduate schools after the award of the bachelor's degree may be transferred and applied toward your graduate degree program with approval by your chair and committee members, as well as the department and Graduate School. Graduate credit earned (with a grade of "B" or higher) at Washington State University before formal admission to the Graduate School, other than credit earned while enrolled as a Second Bachelor's or Enrichment student, may be included in the number of prior credits allowed. The total of such credits from the two categories (transfer and prior WSU credits) is subject to the usual time restrictions and approval by the department and the Graduate School. None of these credits may be applied toward another advanced degree.

Extension courses, special problems, research and thesis, workshops, and correspondence courses will not receive graduate transfer credit. For details on these requirements, inquiries should be sent to the Dean of the Graduate School.

All proposals regarding transfer credits should first be discussed with the chair of your graduate committee. Transfer credit is requested formally by listing the courses on the Program of Study, but preliminary determination will be made earlier upon request to your chair and committee members and the Graduate School. Graduate credit from non-accredited institutions will not be accepted for transfer to graduate degree programs. Graduate credit earned within the State of Washington from an accredited institution whose main campus is outside the state will be considered for transfer to a graduate degree program only upon special petition to the Dean of the Graduate School.

Deadlines

You should check the Graduate School's **Deadlines and Procedures for Doctoral Degrees** (https://gradschool.wsu.edu/documents/2015/07/ddIns_proc_doctoral.pdf/) for submission of the Program of Study so that you get current information about the due dates that affect you.

Registration and Credit Load

As a graduate student, you must complete appropriate enrollment procedures each semester. Full-time graduate students must register for a minimum of 10 credit hours to maintain full-time enrollment status in the fall and spring semesters. To track faculty advisor efforts, all full-time graduate students must register for at least one (1) LLT 800 (doctoral) level research credit each semester. Part-time

graduate students must register for a minimum of two (2) credit hours and no more than nine (9) credit hours to maintain part-time enrollment status in the fall and spring semesters. For further information regarding the **Registration and Credit Load** policy, go to the Graduate School Policy and Procedures at (<https://gradschool.wsu.edu/chapter-five-b-c/>).

Continuous Enrollment Policy

All full- and part-time degree-seeking graduate students at all campus locations must maintain continuous enrollment in the Graduate School, registering for each semester, excluding summer sessions, from the time of first enrollment until all requirements for the degree are completed. Continuous enrollment is maintained by registering for a minimum of two (2) graduate credits per semester (excluding the summer). For further information regarding the **Continuous Enrollment for Degree Seeking**, please go to (<https://gradschool.wsu.edu/chapter-five-a2/>).

Continuous Doctoral Status (CDS)

Continuous Doctoral Status (CDS) allows doctoral students to meet the Graduate School's continuous enrollment requirement without enrolling for credit or applying for Graduate Leave. CDS is only available for students who have completed all coursework and passed preliminary exams. If these requirements are met, students will **automatically** be placed into CDS (fall and spring semesters only) if they do not enroll for credit. Subsequently, **a fee will be charged to the student's account** after the 30th day of each semester (fall and spring only) while in CDS. Students are required to pay this fee each semester to maintain their Continuous Doctoral Status.

While in CDS, students maintain WSU library privileges but cannot progress in completing 800 credits. It is also important to note that CDS does not extend a student's deadline to complete degree requirements (three years after preliminary exams or ten (10) years after the first course on the Program of Study, whichever is sooner).

Students wishing to return to active enrollment and register for 800 credits, schedule their dissertation proposal defense (D-1) or dissertation defense (D-2), are advised to contact their Academic Coordinator a minimum of two months before the start of the semester in which they wish to resume enrollment for credit and *request that they be taken out of CDS* and given an active term for enrollment.

NOTE: Some students may not be eligible for CDS. International students maintaining their visa status, students on an assistantship requiring full-time enrollment to obtain benefits, and students needing financial aid or financial aid deferral, should confer with the appropriate office for their situation to ensure CDS is an option for them.

Further information on Continuous Doctoral Status (CDS) may be found at <https://gradschool.wsu.edu/chapter-five-a2/>.

Academic Standing and Annual Review

You must maintain a 3.0 cumulative grade point average (GPA) in your graduate program. If you fail to maintain a 3.0 cumulative GPA or receive an F in any course in the graduate program, your committee will review the situation and decide whether or not you will be allowed to remain in the program.

Each year the Graduate School requires progress reviews of all graduate students. The LLT Coordinator initiates this review by sending the Student Self-Evaluation Form for Annual Review survey link to you via email. You must complete the self-evaluation/progress review within ten (10) full business days of receiving it. After your permanent advisor reviews your Self-Evaluation, your advisor will complete the Faculty Assessment of Student Progress form and schedule a meeting with you to review and sign the assessment. After the meeting, you will receive a copy of the report.

Grade Point Average

You must have a 3.0 cumulative and a 3.0 program GPA to be awarded a graduate degree. No work of B- or below may be dropped from a program, nor can a course be repeated for a higher grade if the final grade is C or higher. Any course listed in the Program of Study for a doctoral degree with a grade of C- or below must be repeated. The course cannot be repeated on a S/U (satisfactory/ unsatisfactory) basis.

If you are a regularly admitted graduate student who has completed only one semester or one summer session of graduate study with a GPA of 2.75 or above, you are eligible for continued enrollment. Upon completion of two semesters, one semester and one summer session, or two summer sessions of graduate study and thereafter, a 3.0 GPA or above is required for continued enrollment in the Graduate School. If you are admitted on provisional status, you must maintain at least a 3.0 GPA to continue your enrollment in Graduate School.

If you fail to maintain a cumulative GPA of at least a 3.0 for two semesters, one semester and one summer session, or two summer sessions, your enrollment will be terminated. If your GPA is between 2.75 and 2.99, you may be reinstated by the Dean of the Graduate School upon the favorable recommendation of the department chair. Upon reinstatement, you will have one semester to raise your cumulative GPA to at least 3.0.

If you are a newly admitted student who fails to obtain a cumulative GPA of at least 2.75 at the end of one semester or one summer session of graduate study, your enrollment will be terminated. You may be reinstated by the Dean of the Graduate School upon the favorable recommendation of the department chair.

Preliminary Examination

The Preliminary Examination is an official university exam that is both a written and oral assessment. It is also referred to as the Comprehensive Examination. The WSU Graduate School has many policies and procedures that are not included in this handbook. The Language, Literacy, and Technology policies and guidelines in this document complement, clarify and extend the policies of the Graduate School. You are responsible for following all WSU Graduate School policies in addition to the policies contained in this document.

For example, you must complete all requirements, including dissertation defense, within three years of successfully completing Preliminary Examinations. You are encouraged to consider this requirement when scheduling Preliminary Examinations.

Students are also discouraged from scheduling D1 in summer sessions due to faculty availability; however, if the entire committee is amenable to a summer D1 scheduling date, the student should feel free to proceed.

Overview of the Process

After the Program of Study has been approved and most or the entire program has been completed, the Preliminary Examination is designed and scheduled. The products used for this assessment should provide an opportunity for you to evidence and demonstrate the following:

1. An ability to reason across disparate stances and research findings,
2. an insightful and respectful understanding of the debates and tensions within their field and a clear ability to articulate their stance within them,
3. an ability to express their ideas in academic formats expected for wider dissemination (e.g., APA),
4. an ability to sort good research from the unscientific
5. an ability to critique research that taps a range of research traditions, and
6. a deep regard for the potential and limitations of the research and its relationship to theory.

Assumptions

The Preliminary Examination

1. includes both written and oral components
2. is designed by the committee chair and the members of the graduate committee, in consultation with the student about appropriate options and,
3. must be successfully completed (passed) before defending a dissertation proposal.

Options

There are four (4) options to consider for the Preliminary Examination, all should be discussed with your committee chair, and a plan made for the defense. Options include:

1. ***Publishable paper and oral defense.*** The LLT program requires this to be original research. A timeline will be established for this option. After the paper is received and reviewed by your chair and committee members, an oral defense will occur.
2. ***Critical synthesis of research, theory, and practice, and oral defense.*** This option will stem from three (3) to four (4) questions posed by your chair and committee members in consultation with you. Generally, you will be allowed one (1) week to craft a written response to each question. (The chair and committee members decide upon the time frame.) After all responses are received and reviewed, an oral defense will occur.
3. ***Intensive and prompted response and oral defense.*** This option involves a timed response, usually 8-12 hours total, to questions your chair and committee members posed. The topic areas will be discussed with you. After the timed responses are submitted, an oral defense will occur.
4. ***Alternative Preliminary Examination product.*** This option allows you to submit a written proposal to your chair and committee members that describes an alternative examination product.

Scheduling the Preliminary Exam (Defense)

After all committee members have had the opportunity to read the written component of the examination, the oral component is scheduled. To take the exam, you must be enrolled at the beginning of the term in a minimum of two (2) credits of LLT 800. Scheduling the Preliminary Examination with your committee includes setting the meeting's date, location, and time. You must ensure that all committee members agree and that the location is reserved.

You must complete the Preliminary Examination Scheduling Form and upload it through your myWSU > Profile > Service Request for electronic approvals within myWSU. Only completed forms will be processed and must be submitted at least 15 business days prior but not counting the exam date.

Oral Exam (Defense) and Balloting

All committee members must be present at the oral examination. Following the oral examination, committee members meet to discuss the results and ballot on whether you pass or fail the assessment. The ballot meeting, which is scheduled in coordination with the Graduate School, may occur immediately following the oral exam or up to five days after the examination. All members of your committee must attend the oral exam and the ballot meeting, and all must vote. The final ballot result is either a pass or a fail. After the ballot meeting, your advisor will notify you regarding the results, and you may request written notification from the Graduate School. You are also free to contact your chair after the ballot meeting to discuss the results.

Repeating the Preliminary Examination

In the event of a failed Preliminary Examination, you may be re-assessed a second and final time only at the request of the department/program that previously voted to fail you. There is no automatic right to a second assessment. At least three months must elapse between a failed assessment and a re-examination. Failure of two (2) Preliminary Examinations results in termination of enrollment in the doctoral program and the Graduate School.

Dissertation Guidelines

Dissertation Research Proposal (D1) - Overview

The dissertation “...is a scholarly, original study that represents a significant contribution to the knowledge of the chosen discipline” (WSU Graduate School Policies and Procedures). A dissertation proposal (D1) is a concise and convincing overview of the research you propose to undertake for the dissertation.

The following section describes the dissertation proposal, how to complete a dissertation proposal, and the various steps involved in completing the dissertation. Please read the descriptions and guidelines carefully.

While the format for a D1 is variable, your chair and committee members may have specific requirements regarding the format. Discuss the format options with your chair and the committee members. The D1 may be developed before or after the Preliminary Examination. The advantage to providing the D1 to your committee before the Preliminary Examination is that the research you are proposing to conduct may help the committee formulate examination questions that will benefit you during the dissertation phase of your doctoral work.

You may enroll in research credits (LLT 800) during the semesters in which you develop the proposal, and you must enroll in research credits (LLT 800) during the semesters you work on the dissertation. While you may begin work on the D1 before the Preliminary Examination, you may not formally present your D1 proposal until you successfully complete the examination.

Development of a Dissertation Proposal (D1)

Typically, a semester or two before your Preliminary Examination, you should begin working with your committee to define your area of research, identify specific research questions, and prepare the D1.

The D1 should address the following questions:

1. What is the rationale for the study? Why is it important?
2. What is the problem, issue, question, or hypothesis?
3. What theoretical perspectives frame the study’s formation, execution, and implications?
4. What have others speculated, asserted, found, and concluded about this problem, issue, question, or hypothesis?
5. What do you propose to investigate, explore, or examine your topics?
 - a. What is the research methodology, and why is it appropriate for the specific research questions?
 - b. Whom will you observe, test, teach, interview, etc. (i.e., who will be the participants/subjects)?
 - c. What instruments or measures will be employed to conduct those activities?
 - d. How will you conduct the study (procedures)?
 - e. How will you organize or analyze the resulting data (analysis)?
 - f. What will be your intervention (if applicable)?
 - g. What are your study’s limitations? Are there threats to validity or trustworthiness?

6. What knowledge will be added to the literature that was not known before? How is your study proposal going to impact the field significantly?

Writing the Dissertation Research Proposal (D1)

The dissertation proposal must be written according to the style specified in the latest edition of the Publication Manual of the APA; a WSU Quick Guide is available at <http://www.wsulibs.wsu.edu/quickguides/apa>. The APA style (7th edition) templates may be found here <https://apastyle.apa.org/style-grammar-guidelines/paper-format/sample-papers>. While you will develop the format for the proposal with your chair, the proposal should address the six questions listed in the D1 Development Proposal section.

Submit the written D1 to your chair and schedule a meeting to obtain feedback. Your chair's feedback should be used to revise and clarify the D1. When you and your chair are satisfied with the D1, provide a copy to your committee members for feedback. You and your chair will decide upon the means of obtaining your committee's feedback (e.g., a meeting, presentation, or written comments submitted to you or the chair).

You should work closely with your doctoral committee to develop the D1. Provide adequate time (minimum of two weeks) for committee members to review drafts of your proposal. The writing process varies from one committee to the next. However, a typical process is for you to work closely with your chair to prepare and revise initial drafts of the D1 chapters. You and the committee chair will decide when it is best to begin sharing the proposal with the other committee members. Expect further revisions after the other committee members review the proposal. In LLT, an academic writing course (TCH LRN 582) is offered for students wanting extra writing support.

Suggested format of D1 for Option 1:

Chapter I. Introduction (or Statement of Problem). This section should address Questions 1-3 listed in the D1 Development Proposal section. This chapter provides a clear and concise view of what is to be studied and why. The phenomenon under study should be described, along with a brief analysis of how this phenomenon has been addressed in the extant literature. A discussion of the theoretical frameworks involved in the study should be discussed and then expanded upon in Chapter 2. When appropriate, relevant contexts and autobiographical information may be provided to situate the study. Note that this chapter does not provide a complete literature review. In addition to the research question/hypotheses and analysis of how the phenomenon has been addressed in the literature, you should provide an overview of your research methodology and the implications of your proposed research. It is recommended that research questions are clearly stated somewhere in this chapter.

Chapter II. Review of the Literature. This section should address Question 4 listed in the D1 Development Proposal section. The structure of the literature review chapter will vary according to your topic and the approach you take to justify, based on the extant literature, your research questions, and the proposed method of investigating them. The review is a well-integrated document in which material is organized logically under headings and subheadings, consistent with the APA Publication Manual format. The review is selective. It does not include material unrelated to the research questions. Summary tables of relevant research are often appropriate. A good review identifies the theories,

frameworks, primary research findings, adequately and inadequately documented conclusions, needed research, and implications of findings for theory and practice. Views and findings are often restated, synthesized, and critiqued rather than quoted. Expansion of the theoretical framework should occur throughout or in a specific subsection.

Chapter III. Methodology. This section should address Questions 5 and 6 listed in the D1 Development Proposal section. The material in this chapter will vary depending on the nature of your proposed study. In general, the chapter should provide detailed information about the participants (who), procedures (how, when, where), data (what), and analysis. Topics may include:

1. Operational definitions.
2. Characteristics of participant(s). Provide a complete description of the participants, including the number of participants, how they will be selected, and the participant characteristics that are important to the study (e.g., age, gender, experience, education level).
3. Research design. For an ethnographic study, describe your approach (e.g., participant-observer) and elaborate on what that will mean. For a quantitative study, describe the type of research (e.g., quasi-experimental), experimental and control groups, dependent and independent variables, and research design (e.g., post-test comparison of randomly selected control and experimental groups). Be clear and provide an argument explaining why the chosen research design is appropriate for the research questions. A discussion of the epistemological stance you have as a researcher and the degree to which this surfaces in your research design is helpful.
4. Instrumentation. Include a detailed description of any data collection instruments and procedures, including, if relevant, information about their validity and reliability. If you develop a new instrument, provide details about how you will develop the instrument, including, if relevant, how you will ensure the instrument is valid and reliable. Instruments that are not commonly known should be appended to your proposal.
5. Apparatus. Thoroughly describe any equipment to be used in the conduct of the study.
6. Materials. Give a complete description or provide examples of any materials to be used in the study (e.g., written scenarios to which participants will respond).
7. Procedures. Provide a step-by-step description of how you will conduct the study. This should incorporate and tie together the other elements of the methodology (i.e., participants, research design, instrumentation, etc.).
8. Analysis. Describe in detail how you will analyze the data. It is insufficient to simply state an analytic method (e.g., constant comparative method, ANOVA). Instead, indicate which data, including subsets of data, will be subjected to which analytic methods and how the results relate to specific research questions.

The D1 should end with a discussion of the anticipated implications of your work, as well as potential limitations of the study and threats to validity or trustworthiness.

Suggested format of D1 for Option 2:

Because the D1 for Option 2 will support the creation of two publications, it should be consistent with the front matter (Introduction, Conceptual or Theoretical Framework, Literature Review, Methodology) of the eventual articles to be produced, but in a more expanded form. In general, the D1 should be consistent with the content expected of the D1 for Option 1 and should also be grounded in the six questions listed in the D1 Development Proposal section.

For the D1 for Option 2, students are expected to compose a rationale and description of the study(s) related to *each* of the two papers. Although many published articles have abbreviated theoretical framework, literature review, or methodology sections due to space constraints or journal norms, these should not be abbreviated for the Option 2 D1. It may be appropriate to revise these sections later for publication, but a substantive review of the literature and detailed description of the theoretical frameworks and methodology are required.

The first two chapters should be similar to Option 1. The contents of the Option 2 D1 should include 1) an Introduction, 2) a conceptualization of the study or studies that will result in the construction of the two papers to be written, with a detailed discussion of the research questions and plans for the nature and dissemination outlets of the two papers, 3) discussion of Theoretical Framework and Literature Review related to all research questions, and 4) description of the methodology(s) related to each.

The D1 should end with a discussion of the anticipated implications of your work, as well as potential limitations of the study and threats to validity or trustworthiness.

Scheduling the D1 Defense

When you and your committee determine you are ready for the formal presentation of the proposal, you must complete and submit a [Dissertation Proposal \(D-1\) Scheduling form](#) that can be obtained in the College of Education Office of Graduate Education. This includes reserving a room for your defense, which can be done in the College's Dean's office. You must secure the signatures of your committee and submit the D1 Scheduling Form to the Office of Graduate Education (gradstudies@wsu.edu), who will then secure the signature of the department chair and place the form in your file. Non-Pullman students should work with their campus advisors to facilitate this process.

The formal dissertation proposal consists of a presentation in a colloquium that is open to the public. The presentation includes the opportunity for questions from your committee members and others in the audience. Immediately following the colloquium, your doctoral committee will meet to recommend approval or disapproval of the D1 as indicated on the [Dissertation \(D1\) Proposal Approval Form](#):

- (a) approved as presented;
- (b) approved, subject to revisions as specified by the committee;
- (c) approved, subject to revisions as specified and subject to further review and approval by the committee; and
- (d) approval denied.

Approval or denial of the dissertation proposal is documented by committee members' signatures on the D-1 Approval form and submitted to the Office of Graduate Education (gradstudies@wsu.edu).

Human Subjects Form and CITI training

After approval of the D-1 and before any data collection, you must do CITI training and obtain WSU Institutional Review Board (IRB) approval to conduct research involving human subjects. The IRB approval letter must be submitted to your committee chair and the College of Education Office of Graduate Education before you commence data collection. You may submit a copy to the Office of Graduate Education when you receive the confirmation. Still, it must be submitted no later than when

your Dissertation/Thesis Acceptance/Final Examination scheduling form is submitted. Failure to gain approval before data collection shall result in the rejection of the final dissertation and prevent you from scheduling the final doctoral examination.

The IRB form for approval of human subjects research is available on the IRB website (<http://www.irb.wsu.edu/>). The IRB form must be signed by the chair of your committee and the department chair before it is submitted. Review of the request generally takes 5-10 days, at which time you will be informed by email as to whether your research is approved.

Writing the Dissertation

Upon approval of the D-1 and receipt of the IRB approval for human subjects research, you may begin the study as outlined in the methods section of your D1 proposal. After data collection and analysis, you are ready to write the dissertation. You must enroll for research credits (LLT 800) in the semesters you work on the dissertation.

Option 1: Standard Form

In its final form, the standard dissertation usually includes five chapters—the three described in the previous section plus the results and discussion chapters. It is common for these chapters to undergo several iterations before final approval.

Chapter IV. Results. This chapter provides a detailed presentation of the results. Do not interpret the results, draw conclusions, or relate the findings to the extant literature. Examples of results include descriptive and/or inferential statistics and themes, with supporting data that emerged from qualitative data analysis. The chapter is often organized around the analyses conducted for each research question.

Chapter V. Discussion. This chapter focuses on the meaning of the study and the significance of the results. The chapter typically begins with a brief summary of what was done and why. A presentation of the results follows this as they relate to the research questions. The discussion tends to be more conceptual than empirical and specific results are noted only as evidence to justify the assertions and conclusions related to the research questions. The discussion explains what the results may mean. This discussion may focus on why more support was not found to support or refute the research questions or on the meaning of the support that was found. This discussion is a thoughtful analysis of the results obtained. It's appropriate to acknowledge the limitations of the research, state the implications of the findings for both theory and practice, and make recommendations for future research.

The following format should be followed for submission of the Option 1 Dissertation:

- WSU front matter [Title, copyright, signature, Acknowledgements, Table of Contents, List of Tables (if any tables), List of Figures (if any figures), Dedication (optional)]
- Body of the work
 - Chapter 1: Introduction (or Statement of the Problem)
 - Chapter 2: Review of Literature
 - Chapter 3: Methodology
 - Chapter 4: Results
 - Chapter 5: Discussion

- References
- Appendices

Option 2: Two Publishable Papers

Students who undertake this option are required to prepare two publishable papers. The papers are expected to be “publication ready” and eventually submitted to appropriate outlets. The student may collaborate with committee members and others in the writing process but should be the sole or first author of both papers. See the above discussion of Preliminary Examination, Option 2, for further guidance. The committee will formulate specific recommendations regarding appropriate outlets for the papers. These could include research journals, practitioner journals, book chapters, or other scholarly outlets. On balance, the papers should represent scholarly work in line with the expectations outlined in a traditional dissertation.

The following format should be followed for submission of the Option 2 Dissertation:

- WSU front matter [Title, copyright, signature, Acknowledgements, Table of Contents, List of Tables (if any tables), List of Figures (if any figures), Dedication (optional)]
- Body of the work
 - Chapter 1: Introduction, similar to that described in the suggested format of D1 for Option 1, found above; a brief overview of the two articles should also be included.
 - Chapter 2: Article #1
 - Chapter 3: Brief transition chapter explaining connections between the two articles
 - Chapter 4: Article #2
 - Chapter 5: Conclusions and Implications
- References
- Appendices

Note: Your committee may require an additional chapter deemed necessary, such as a separate Theoretical Frameworks chapter.

Alternative Formats

The department and the Graduate School must approve alternative formats to the dissertation format described previously. After your committee has approved the alternative format proposal, your advisor/chair requests approval from the department’s graduate committee. They, in turn, seek approval from the Graduate School.

Final Examinations (D2 Exam)

Timeline for the Final Examination

By the deadline (listed on the university calendar) of the semester you plan to graduate, you must Apply to Graduate, a link in your myWSU student center. However, applying at least one semester before the final oral examination is scheduled is recommended so that you can be notified of graduation requirements (to-do lists) before enrolling for your last semester. If you do not graduate in the semester

you applied, you must reapply for the degree. However, the fee is paid, so it carries over from semester to semester for one calendar year.

The semester before scheduling the final examination, you should review the Graduate School Deadlines and Procedures Summary (available at <https://gradschool.wsu.edu/facultystaff-resources/18-2/>). Reviewing the Summary at that time will allow you time to complete any deficiencies.

You should also obtain a copy of the Digital Dissertation and Thesis Guidelines (available at <https://gradschool.wsu.edu/facultystaff-resources/18-2/>), which will be slightly different from APA or other formatting. This document includes important information about the format of the dissertation title page, signature page, abstract, copyright releases, and submission of digital dissertations.

You should work with your advisor to develop a detailed/comprehensive timeline for completing the written part of your dissertation. Your chair and committee members will review the entire dissertation. Revisions may be required before the committee is satisfied that you are ready for the final oral defense. After the committee consents that the written document is ready, you can schedule the final oral examination. Please be aware that you will need to have a completed draft of the entire dissertation at least thirty (30) days before your final defense date (not including weekends). For the fall semester, this means you will need to have a completed draft by at least mid-October; for the spring semester, you will need to have a completed draft by mid-March.

Scheduling the Final Examination (Defense/D2)

With the committee's consent that the written document is ready, you and the committee will need to agree upon a date and time and have the location of the defense reserved (if requiring ZOOM, please allow more time for scheduling reservations). The following steps all need to happen almost simultaneously, at least 15 business days before your defense date:

1. You must be enrolled in a minimum of two (2) credits of LLT 800 at the beginning of the term you defend your D2.
2. You must Apply for Graduation.
3. You must complete the scheduling of the final oral examination by providing your committee with a completed [Scheduling Final Examination Form for Dissertation/Thesis degrees](#). You must upload the form through your myWSU account > Profile > Service Request for electronic approvals within myWSU. The form will be electronically approved by your committee, department chair, and ultimately the Graduate School.
4. Committee members' agreement for the Exam form signifies preliminary approval of the dissertation suitable in content and format for submission to the UMI/ProQuest through the [WSU Libraries Dissertation site](#). Although the ETD Administrator from UMI/ProQuest checks the dissertation, this pre-check does not constitute final acceptance as this check is for formatting issues only; your committee will review the content.
5. Committee members must be given the entire dissertation a minimum of fifteen (15) days before any deadline for scheduling the defense.
6. At the same deadline, your dissertation draft must be sent to the Office of Graduate Education (gradstudies@wsu.edu) for announcements within the College of Education.

The examination must be scheduled for at least four (4) months but less than three (3) years after satisfactory completion of the Preliminary Examination. The Graduate School will schedule the final examination and publicly announce the examination in an appropriate campus-wide publication. Final examinations shall be scheduled during regular business hours and only during academic sessions.

Final Examination (Defense/D2)

The final oral examination is primarily a defense of the dissertation but may also cover the general fields of knowledge pertinent to the degree. You must register for LLT 800 (minimum of two credits) in the semester in which you take the final examination. The examination is about two (2) hours, which includes time for the presentation, questions, deliberation by the committee, and signatures on the final paperwork. The examining committee shall consist of your doctoral committee and any other faculty members in attendance who are eligible, according to College of Education criteria, to participate on dissertation committees. Your chair will be responsible for conducting the final examination/defense. While the examination is open to the public, you and your advisor may decide that only those faculty members eligible to participate on doctoral committees may ask questions. Only committee members may vote. All members of your doctoral committee must attend and vote. To pass the final oral examination, a minimum of three-fourths of those voting must vote to pass you; if the committee consists of only three members, all must vote to pass. In the event of a failed final examination/defense, a second and last attempt may be scheduled, at the request of the major department, after a lapse of at least three months. There is no automatic right to a second defense.

Graduation Checklist:

This section includes information about the application for the doctoral degree, deadlines and procedures summary, and information for committee members and students planning final examinations.

By the deadline (listed on the university calendar) of the semester in which you plan to graduate, you must access *Apply to Graduate*, a link in your myWSU student center, at least one semester before the final oral examination is scheduled so that you can be notified of graduate requirements (to-do lists) before enrolling for their last semester. The fee associated with graduation must be paid before the final examination. If you do not graduate in the semester you applied, you must reapply for the degree. However, if paid, the fee carries over from semester to semester for one calendar year.

The semester before scheduling the final examination, you should review the Graduate School Deadlines and Procedures Summary (<https://gradschool.wsu.edu/facultystaff-resources/18-2/>). Reviewing the Summary at that time will allow you time to complete any deficiencies.

You should also obtain a copy of the Digital Dissertation and Thesis Guidelines (<https://gradschool.wsu.edu/facultystaff-resources/18-2/>). This document includes important information about the format of the dissertation title page, signature page, abstract, copyright releases, and submission of digital dissertations.

Dissertation Submission and Binding

After you pass the final oral examination, you have five (5) business days to submit your final corrected digital copy of the dissertation to UMI/ProQuest. The final upload link will be located on the email confirmation page from the precheck.

Additionally, you must submit a PDF copy of your title page, signature page, and abstract page(s) through myWSU > Profile >Service Request, and a [Hold Harmless Agreement/Copyright Acknowledgement](#) as well.

As a doctoral student, you have the additional task of completing the online [Survey of Earned Doctorates \(SED\)](#), emailing the confirmation page to gradschool@wsu.edu.

You must submit a copy of the thesis to your chair either in electronic format or on paper, their choice (binding is optional and decided upon by the chair). Any additional copies submitted to the other committee members are up to the student's advisor.

Awarding of the Degree

After you have completed the degree requirements for the doctorate and your student account is cleared, your transcript will be posted with your degree at the end of your defense term. You will receive the diploma approximately 6-8 weeks after your degree is posted and be eligible to be hooded by your committee chair or designee at the next commencement.

Milestones for Successful Completion of Graduate Degree

The Graduate School website provides an overview of the process for completing the doctoral degree. Because the Graduate School updates the timeline each year to include specific deadline dates, see the Graduate School website (<http://gradschool.wsu.edu/>) for more information.

NOTE:

- a. Submit the completed scheduling form with the approved examination date, hour, and place to the Office of Graduate Education to be routed, so it arrives in the department at a minimum of 15 full business days *before* the examination date.
- b. It is strongly advised that you Apply to Graduate, a link in your myWSU student center, at least one semester before the final oral examination is scheduled so that you can be notified of graduate requirements (to-do lists) before enrolling for their last semester. You will be charged a Graduation Fee, a mandatory fee to help print and mail your diploma. If you cannot defend the term you apply, an updated Application of Degree is required, and the graduation fee will carry over for two terms if you need to update your term of graduation.
- c. Submit the completed scheduling form (including approved examination date, hour, and place) at least fifteen (15) full business days before the examination date for approval processing.
- d. At the same deadline, your dissertation draft must be uploaded to ETD/Proquest website (<http://www.dissertations.wsu.edu>). Although the Graduate School & ETD/Proquest checks the dissertation, this check does not constitute final acceptance as this check is for formatting issues only; your committee will review the content. A dissertation copy must be available in the department office for public inspection at least 10 (ten) full business days before the final examination. You must provide a copy of the dissertation to each doctoral committee member at least ten (10) full business days before your committee members are asked to sign the scheduling form.
- e. The final draft of the dissertation should be turned in within five (5) business days of successful completion of the final oral examination and before the final date designated.
- f. If you desire to graduate in May (or the spring semester) and plan to attend commencement, you must complete all degree requirements. Dissertations are due in the Graduate School by the date noted on the timetable.

Graduate Student Exit Survey

After you complete the final examination, complete the Graduate Student Exit Survey online (Office of Assessment will send you an email).

Financial Support

Teaching and Research Assistantship Appointments

The Department of Teaching and Learning has approximately 8-10 teaching assistant (TA) positions on the Pullman campus. These positions are competitive and are awarded primarily to graduate students with previous teaching experience in the United States. The department attempts to support graduate students for more than one year, so a limited number of TA appointments become available each year. TA appointments are half-time positions (20 hours/week) that come with a tuition waiver, monthly stipend, and health benefits. The department discourages additional employment while holding a TA appointment.

Teaching assistantships require full-time enrollment (i.e., a minimum of ten (10) semester hours during the spring and fall terms). A TA typically teaches two courses each semester under a faculty member's supervision. During the first semester of the assistantship, a TA must enroll in TCH LRN 527: Seminar in Teacher Education Instruction for one (1) credit. The course covers teaching and learning, inquiry, and professional issues.

Research assistantships (RA) may be available through funded projects. RA appointments require full-time enrollment and the RAs typically work under the direction of a faculty member. RA appointments include a tuition waiver, monthly stipend, and health benefits. In addition, other assistantship opportunities are available in other units on campus. Whenever possible, the department will assist in identifying possibilities for funding outside the college.

To be considered for a TA or RA position, you complete a graduate assistant application, available from the department and the COE Office of Graduate Education (<http://education.wsu.edu/employment/assistants/>) or the Graduate School's website (<https://gradschool.wsu.edu/student-finance-page/>). At the time of appointment, you will receive a letter that delineates the specific responsibilities of the appointment.

College of Education Scholarships

Scholarships are available through the College of Education. Applications are available through University Scholarship Services in November and are due January 31st for the upcoming academic term. Awards range in dollar amounts, with an average of about \$2000. For more information, contact the College of Education Scholarship Coordinator (509-335-7843) or visit the website (<https://education.wsu.edu/students/scholarships/>).

Other Financial Aid

For additional financial aid information, contact the WSU Office of Student Financial Aid and Scholarship Services (509-335-9711) or visit the website (<http://www.finaid.wsu.edu>).

Leave Guidelines

Leave from the Program (not on an assistantship)

If you decide that a leave of absence is necessary, you must petition for such status through your advisor and, ultimately, the Department Chair. Such petitions must state the reasons for requesting a leave of absence and present a plan for completing the remainder of the doctoral program. The plan must include a timetable specifying when the course and program requirements will be completed. The Department Chair will not consider any request for leave until the student, in conjunction with their advisor, submits such a plan.

You will file a [Graduate Leave Status form](#) (GLS) through your myWSU account. Please note that GLS is only awarded once in a student's degree career.

If you have passed your preliminary examination and are not required to be enrolled for a visa or other required enrollment purposes, you may choose to go on Continual Doctoral Degree Status (CDS). Please read up on requirements and eligibility in the [Graduate School PP – Chapter 5.A.2.a](#). Please note that this does not extend your time to degree; you are expected to make a plan with your advisor and committee, to keep communication open and progress on your dissertation.

Leave Guidelines (appointed on an assistantship – TA, RA, or SA)

During their appointments, all graduate assistants are expected to be at work each workday, including periods when the University is not in session (no classes being held), except on the legal holidays designated by the Board of Regents. All University holidays are designated by the Board of Regents and are published in the WSU Announcements/Insider and posted on the Web (<http://www.hrs.wsu.edu/>). Graduate students on appointment do not earn annual leave or sick leave.

Business Policies

Checkout/Exit:

Before departure from WSU-COE, you must leave a forwarding address with the COE Office of Graduate Education, return all keys and equipment to the main office, and consult your advisor about your research and office space.

College of Education Computer Lab:

The College of Education computer lab is located in Cleveland Hall, room 63, and is open to all graduate students when it is not being used for instruction. Contact the Information Systems staff to obtain a personal code to access the lab during non-working hours. A computer lab in the Graduate Lounge (Cleveland Hall 70E) can also be used during weekdays.

Grievances:

If grievances arise, you should discuss the problem with your chair and the LLT Program Coordinator. If additional consultation is needed, please consult the Department Chair or Unit Director, or as a final resort, the WSU Ombudsman. The WSU Ombudsman Office is in Wilson Hall, Room 2, phone (509) 335-1195.

Keys:

To obtain keys for assistantships, teaching, etc., check first with your department staff, then see Marie Reynolds in Cleveland Hall 168. There is no initial charge for the keys; however, if they are lost, or you leave the University without returning the keys, you will be billed a \$3.00 replacement fee per key. If the keys are not returned, transcripts may be held by the Registrar's Office. Security is the responsibility of everyone, so please assume responsibility for locking your office and lab doors after regular hours.

Mail:

Graduate student mailboxes for students on assistantships are located on the third floor of Cleveland Hall on the Department of Teaching and Learning side. Please check your mailbox regularly.

Mail sent and received at the University should be official correspondence only. Personal mail should be sent to and from your private residence. Business correspondence can be left in the department office for mailing. Letters and packages should not be stamped and must have the correct departmental return address.

Photocopying:

The copy machine in Cleveland Hall 321 is to be used only for copying materials related to a faculty research project or to copy course materials for the course in which the student is a TA. Multiple copies are discouraged. Scan large documents and provide those to students electronically. Graduate students may not use the departmental/COE copy machines to copy any personal material such as classroom notes, term papers, dissertations, books, theses, etc. When in doubt, consult your chair. Copy machines available for personal use on campus are located at Cougar Copies in the CUB.

Staff Assistance:

Graduate students may request secretarial assistance only in limited situations. Administrative Assistants will not type personal letters, class reports, or similar materials for students. Typing your dissertation is considered personal work. You may request assistance with mailing or sending FedEx packages if they are related to faculty-led research work. All requests for staff assistance should be coordinated with your dissertation chair.

Telephone:

WSU telephones are available for local calls. Most graduate student offices have telephones, or one can be found nearby. You should consult your chair or department office staff regarding authorization codes for long-distance calls. In most cases, phones are restricted, and an authorization code is required.

Dissertation Library:

Former student dissertations can be found through the WSU Library system using their search engine: <https://libraries.wsu.edu/>.

Travel:

For liability and reimbursement purposes, you must complete a Travel Authority form for any work-related trip you take that is outside of Pullman (or any other station for off-campus students). This and other forms are available in Cleveland Hall 321. This form must be submitted, signed by the department chair, and initialed by your chair at least 21 days before a trip. In some circumstances, work-related travel advances may be obtained by submitting a request at least four weeks before the trip. Reimbursement for travel expenses is made by completing and submitting a Travel Expense Voucher within one week upon return. Only approved travel will be reimbursed.

You are strongly urged to attend professional meetings; sometimes, the department may have funds to pay some student travel expenses. Advisors may also use grant or project monies to pay partial travel expenses for graduate students attending meetings. The Graduate School disburses some grant-in-aid travel funds, which can be used for travel to professional meetings. Application forms for student travel grants may be obtained from the Graduate School. It is advisable to apply for a travel grant if you are presenting a quality paper at a professional meeting. In addition, space may be available in university vehicles, or some faculty members may share travel expenses.

General Information

Department Offices

Washington State University **Pullman**
Department of Teaching & Learning
321 Cleveland Hall
Pullman, WA 99164-2132
Phone: (509) 335-6842
Fax: (509) 335-5046
education@wsu.edu

Washington State University **Spokane**
College of Education
PO Box 1495
Spokane, WA 99210-1495
Phone: (509) 358-7942
Fax (509) 358-7933

Washington State University **TriCities**
College of Education
2710 Crimson Way
Richland, WA 99354-1671
Phone: (509) 372-7396

Washington State University **Vancouver**
College of Education
Undergraduate Building (VUB) 300
Phone: (360) 546-9660
Fax: (360) 546-9040
debarnett@vancouver.wsu.edu

Academic Coordinators

Washington State University **Pullman**
Office of Graduate Education
College of Education
Cleveland Hall 70
Pullman, WA 99164
Fax: (509) 335-9172
Email: gradstudies@wsu.edu

Kelly McGovern,
Director
Cleveland Hall 70C
Email: mcgoverk@wsu.edu
Phone: 509-335-9195

Washington State University **Spokane**
College of Education
Carmen Beck,
Academic Coordinator
PO Box 1495
Spokane, WA 99210-1495
Phone: (509) 358-7942
Fax (509) 358-7933
Email: carmen.beck@wsu.edu

Washington State University **TriCities**
College of Education
Niamh O'Leary,
Academic Coordinator
2710 Crimson Way
Richland, WA 99354-1671
Phone: (509) 372-7394
Email: niamh.oleary@wsu.edu

Washington State University **Vancouver**
College of Education
Jennifer Gallagher,
Academic Coordinator
Undergraduate Building (VUB) 308
Phone: (360) 546-9075
Email: j.gallagher@wsu.edu

Central Services, Facilities, and Resources

<i>Residency Requirements</i>	https://gradschool.wsu.edu/establishing-residency/
<i>Email:</i>	https://office365.wsu.edu Log in with your WSU NID and password
<i>Parking and Map</i>	Pullman: https://transportation.wsu.edu/ https://transportation.wsu.edu/parking- maps/ or http://map.wsu.edu/ Spokane: https://spokane.wsu.edu/facilities/parking/ Tri-Cities: http://tricities.wsu.edu/campusmaps/#top Vancouver: http://admin.vancouver.wsu.edu/parking/parking-services
<i>I-9 Forms</i>	WSU employs only U.S. citizens and aliens who are authorized to work in the U.S. in compliance with the Immigration Reform and Control Act of 1986. A list of acceptable documentation may be found here http://hrs.wsu.edu/wp-content/uploads/2016/05/I9-Acceptable-Documents-9-27-17.pdf
<i>W-4 Forms</i>	U.S. Citizens: http://www.wsu.edu/payroll/taxes/completeW4.htm Non U.S. Citizens: http://www.wsu.edu/payroll/nonUS/newInstIRSFormW4.htm
<i>Tax Information</i>	U.S. Citizens: http://payroll.wsu.edu/ppt/StudentTaxPresentation12.ppt Non U.S. Citizens: https://payroll.wsu.edu/non-u-s-citizens/
<i>Social Security Numbers</i>	Significance and correction of an SSN and application pointers: http://www.wsu.edu/payroll/stntpay/sscardappoint.htm
<i>Central Services and Facilities</i>	<i>Student Services, including Health and Counseling Services</i> Pullman: http://osae.wsu.edu/ Spokane: https://spokane.wsu.edu/studentaffairs/ Tri-Cities: https://tricities.wsu.edu/current-students/student-affairs/ Vancouver: http://studentaffairs.vancouver.wsu.edu/
	<i>Libraries</i> Pullman: http://www.wsulibs.wsu.edu/ Spokane: https://spokane.wsu.edu/library/ Tri-Cities: http://www.tricity.wsu.edu/Library/index.html Vancouver: http://library.vancouver.wsu.edu/
	<i>Parking</i> Pullman: http://transportation.wsu.edu/ Spokane: https://spokane.wsu.edu/facilities/parking/ Tri-Cities: http://tricities.wsu.edu/admission/visit Vancouver: https://www.vancouver.wsu.edu/campus-map-directions-and-parking-information

Appendix A: LLT Doctoral Program Overview

Coursework Phase	Preliminary Examination Phase	Dissertation Proposal Phase (referred to as the "D-1)	Dissertation Research and Writing (Defense) Phase
<ul style="list-style-type: none"> ● Enroll every semester in LLT 800 (1 credit min.) ● Review Doctoral Program Coursework (Appendix B) ● Choose the Chair and Committee and develop a Program of Study (POS) ● Submit POS to Graduate School by 3rd semester <p>Required Graded Credits: <u>LLT Specialization (18 credits)</u> LLT 586 TCH LRN 511 TCH LRN 550 TCH LRN 562 TCH LRN 570 TCH LRN 582</p> <p><u>Research Core (12 credits)</u> ED RES 562 ED RES 563 ED RES 564 ED RES 565</p> <p><u>Electives (4 credits)</u> (See Appendix B)</p> <p>Non-Graded Credits: LLT 800 (20 credits)</p> <p>Additional Credits: <u>Prerequisite Research Courses</u> EDPSYCH 505 – <i>or equivalent</i> EDPSYCH 507 – <i>or equivalent</i> ED_PSYCH 508 – <i>or equivalent</i></p> <p><u>Highly Recommended</u> ED RES 571: Dissertation Prep</p>	<ul style="list-style-type: none"> ● Enroll every semester in LLT 800 (1 credit min.) OR ● Enroll LLT 800 (minimum of two credits the semester you take the preliminary exam) ● Meet with Committee (Committee and student decide on exam format from the list below) <ol style="list-style-type: none"> 1. <i>Publishable paper and oral defense.</i> 2. <i>Critical synthesis of research, theory, and practice, and oral defense.</i> 3. <i>Intensive and prompted response and oral defense.</i> 4. <i>Alternative comprehensive product.</i> <ul style="list-style-type: none"> ● Submit Preliminary Exam Scheduling Form through myWSU a total of 15 business days before the exam to meet the Graduate School due date ● Defend Preliminary Exam 	<ul style="list-style-type: none"> ● Enroll every semester LLT 800 (1 credit min.) ● Meet with Committee (Discuss dissertation ideas) ● Submit D-1 Scheduling Form (10 business days prior to meeting with committee) ● Defend D-1 <p>If approved</p> <ul style="list-style-type: none"> ● Submit Dissertation Proposal Approval Form to COE Office of Graduate Education ● Submit IRB documents (Must have approval of IRB before starting research/data collection.) 	<ul style="list-style-type: none"> ● Enroll every semester LLT 800 (1 credit min.) OR ● Enroll LLT 800 (minimum of two credits the semester you take the final exam) ● Meet with Chair and Committee (Develop schedule of completion. See Appendix C.) ● Submit Dissertation Scheduling Form (must be approved by 10 full business days prior to the exam) <p>Defend Dissertation</p> <ul style="list-style-type: none"> ● Final oral examination is primarily a defense of the dissertation but may also cover the general fields of knowledge pertinent to the degree. ● The examination lasts approximately 2-2.5 hours. The examining committee shall include your doctoral committee and any other faculty members. ● Your committee chair will be responsible for conducting the final examination. The examination is open to the public. All members of your doctoral committee must attend and vote. ● A minimum of 3/4 of those voting must vote to pass you. After a failed final examination, a second and last attempt may be scheduled, at the request of the major department, after a lapse of at least three months. There is no automatic right to a second defense.

Appendix B: LLT Doctoral Program Coursework

Doctoral Program of Study Total Credits: (Minimum requirements: 72 credits)

Required Graded Coursework: (Minimum requirements: 34 credits)

LLT Specialization Core (Minimum requirements: 18 credits)

LLT 586	Seminar in LLT (1) <i>enroll 3x</i>	Fall, Spring
TCH LRN 511	Theoretical Foundations of Education Research (3)	Fall <i>odd years</i>
TCH LRN 550	Second Language Learning and Literacy (3)	Fall <i>even years</i>
TCH LRN 562	Foundations of Literacy: Theory and Research (3)	Spring <i>even years</i>
TCH LRN 570	Theory and Research in Digital Literacies (3)	Spring <i>odd years</i>
TCH LRN 582	Scholarly Writing (3)	Spring

Note: Only incoming LLT students should enroll in the LLT 586 Fall semester. All LLT students can enroll in LLT 586 Spring semester.

Advanced Research Core (Minimum requirements: 12 credits)

ED RES 562	Epistemology (3)	Fall, Spring
ED RES 563	Principles of Research (3)	Spring
ED RES 564	Qualitative Research Literature (3)	Fall, Spring
ED RES 565	Quantitative Research (3)	Fall, Spring

Note: Please check the schedule regarding the semester the courses are offered on each campus.

Prerequisites for Advanced Research Core (if needed)

ED PSYCH 505	Research Methods (3)	Fall, Spring, Summer
ED PSYCH 507	Introduction to Qualitative Research (3)	TBD
ED PSYCH 508	Educational Statistics (3)	Fall, Spring, Summer

Note: The prerequisites ED PSYCH 505, ED PSYCH 507, and ED PSYCH 508 may need to be taken in addition to the 12 credits of advanced research core listed above. Please check the schedule regarding which semester the courses are offered on each campus.

Electives (Minimum requirements: 4 credits)

TCH LRN 501	Bilingual / ESL Education	Spring <i>odd years</i>
TCH LRN 504	Advanced Study in Linguistics for Educators (3)	TBD
TCH LRN 509	Research in Curriculum and Assessment for Bilingual/ESL Education (3)	Fall <i>odd years</i>
TCH LRN 510	Theoretical Foundations of Bilingual/ESL Education (3)	Fall
TCH LRN 514	Methods and Materials for Bilingual/ESL Education (3)	Spring <i>even years</i>
TCH LRN 516	Advanced Study in Computer-Assisted Language Learning (3)	Spring
TCH LRN 517	Coding for Teachers (3)	Fall
TCH LRN 518	Integrating Technology in the Curriculum (3)	Spring
TCH LRN 519	Instructional Media Production I (3)	Fall
TCH LRN 544	Teaching Children's Literature and Young Adult Literature (3)	Fall
TCH LRN 549	Communicating in a Multilingual Society (3)	Spring
TCH LRN 554	Sociolinguistics (3)	TBD
TCH LRN 569	Critical Analysis of Children's & Young Adult Literature (3)	TBD
TCH LRN 573	Theory and Research in Computer-Assisted Language Learning (3)	TBD
ED RES 571	Dissertation Preparation (3) <i>highly recommended</i>	Fall
SPEC ED 595	Universal Design (3)	Fall <i>odd years</i>
XXX_XXX	Other courses approved by program committee	TBD

Please see Appendix D for potential Cognate Options.

Required Non-Graded Coursework: (Minimum requirements: 20 credits)

Dissertation Credits (Minimum requirements: 20 credits) (S/U grading)

LLT 800	Doctoral Research, Dissertation, and/or Examination (V) <i>Enroll in at least 1 credit per semester. Enroll in at least 2 credits when taking the final examination.</i>	Fall, Spring
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Non-Graded Electives (Optional) (S/F grading)

TCH LRN 527	Seminar in Teacher Education Instruction (V) <i>required for TAs and by interview only</i>	Fall, Spring
TCH LRN 590	Internship (3) <i>by interview only</i>	Fall, Spring
TCH LRN 600	Special Projects or Independent Study (V) <i>by interview only</i>	Fall, Spring
XXX_XXX	Other courses approved by program committee	TBD

LLT Doctoral Credit Overview

	Credits
Graded Credits	
LLT Core Courses	18
Research Courses	12
Elective Courses	4
Total Graded Credits (A-F grading rubric)	34
Additional Electives (Graded (A-F) or non-graded (S/F))	18
Dissertation credits	20
Total Credits	72

Coursework approved by the faculty on August 25, 2017

Pathway to Endorsement or Certificate: (Optional)

Endorsement or Certificate in English Language Learners: (Minimum requirements 18 credits)

<i>Required Coursework (15 credits)</i>		<i>Elective coursework (3 credits)</i>	
TCH LRN 501		TCH LRN 504	
TCH LRN 509		TCH LRN 516	
TCH LRN 510		TCH LRN 519	
TCH LRN 514			
TCH LRN 549			

Certificate in Education Technology Across the Curriculum: (Minimum requirements 15 credits)

<i>Required Coursework (9 credits)</i>		<i>Elective coursework (6 credits)</i>	
TCH LRN 516		TCH LRN 517	
TCH LRN 518		TCH LRN 570	
TCH LRN 519		TCH LRN 573	
		SPEC ED 595	

Appendix C: Dissertation Timeline Considerations

Your chair and all committee members must approve the dissertation before you begin working on the dissertation. After the Dissertation Proposal (D-1) has been approved, you can start working on the dissertation. The timelines for these vary depending on the type of research or scholarship you undertake.

As you progress through the dissertation, you should meet with your chair to inform them of your accomplishments and problem-solve any challenges encountered along the way. The chair and committee members are there to provide expertise, support, and advice throughout the dissertation.

When you have developed written drafts of chapters/sections of the dissertation, those should be shared first with your chair. When the drafts of those chapters/sections are in a quality form, you may share those drafts with committee members to obtain their feedback. You should discuss the committee members' feedback with your chair before revising the chapters/sections.

As you share chapters/sections of the dissertation with your chair, typically, the timeline looks like this:

1. You submit Draft 1 of chapters/sections to your chair.
2. Your chair provides feedback to you about two (2) weeks after receiving it.
3. You edit and revise your draft and then submit Draft 2 to your chair.
4. Your chair provides feedback to you about two (2) weeks after receiving it.
5. You edit and revise your draft and then submit Draft 3 to your chair.
6. Your chair provides feedback to you about two (2) weeks after receiving it.
(This drafting/revising may continue through several additional cycles.)

Your chair will let you know when your draft is at a quality level and can be shared with your committee members. A similar timeline for working with your committee members would then follow:

1. You submit Draft 1 of chapters/sections to your committee members.
2. Your committee members provide feedback to you about two (2) weeks after receiving it.
3. Before revising the draft per the committee members' suggestions, consult with your chair.
4. You submit Draft 2 of chapters/sections to your committee members.
5. Your committee members provide feedback to you about two (2) weeks after receiving it.
6. Before revising the draft per the committee members' suggestions, consult with your chair.
(This drafting/revising may continue through several additional cycles.)

After the last draft/revision cycle, you will want to share the revised chapters/sections with your chair. The chair will review the draft within about two weeks of you submitting it to them. More edits and revisions may be needed per the advisor's/chair's suggestions. The resulting draft would again be shared with the committee members, who may suggest edits/revisions. This cyclical process will continue until you have a quality draft of your dissertation. **Some students need 5-10 draft cycles to reach a quality dissertation draft. (If you need five (5) draft cycles, that is a minimum of 10 weeks of reading/revising time and does not include your revision/editing time, so planning accordingly is vital for staying within the timeline.)**

When your chair feels you are ready, they will tell you that you can now schedule your defense. You and your chair will propose dates to the committee for the final defense. When a date is chosen, you will work with the Department staff to identify a room for the defense. The date, time, and location are then written on the scheduling form, and you upload it to myWSU. Your chair and each committee member must electronically sign the form through myWSU. Simultaneously you must give the members a copy of your quality draft.

Complete the final oral examination scheduling form **Scheduling Exam: Dissertation/Thesis Final, Non-Thesis Final, and Preliminary Examination Form** (<https://gradschool.wsu.edu/documents/2018/01/exam-scheduling.pdf/>) and upload it to your myWSU Service Request portal. This Exam form is due in the department 15 business days before your exam for approvals and processing.

You must be enrolled in Final Examination credits during the semester you present your dissertation, LLT 800 (minimum two (2) credits).

Sample Timeline for a Spring Defense/Presentation

November 1: First draft to chair*

November 15: Draft 1 returned to you

December 2: Draft 2 returned to you

December 16: Draft 3 to chair

January 3: Draft 3 returned to you

January 7: Draft 4 to committee members

January 21: Draft 4 returned to you

Consult with chair

February 4: Draft 5 to committee members

February 18: Draft 5 returned to you

Consult with chair

March 4: Draft 6 to chair

March 18: Draft 6 to you

Consult with your chair.

The quality level of the draft may have been met at this point. Your chair may direct you to send the final quality draft to the committee.

March 25: Begin asking committee members for dates of availability for the presentation of the Special Dissertation.

April 1: Completed Scheduling Form uploaded by student to myWSU for approval routing

April 1: final draft of dissertation sent to gradstudies@wsu.edu for the COE announcements

April 8: UMI/Proquest copy for formatting uploaded through www.dissertations.wsu.edu

April 8: Scheduling Form received in the Graduate School

April 22: Presentation of Dissertation

You should work with your advisors/chairs to establish a timeline like this for finishing your dissertation. If you hope to present/defend your dissertation in the summer term, you should consult with your advisors/chairs. Some faculty are not available in the summer, so finishing a dissertation in the summer may not be possible. Given the timeline examples above, you and your chair may feel that you cannot accomplish a quality draft quickly enough to defend/present during the summer term.

*This timeline assumes that you had proposed your dissertation idea to your chair (after extensive discussion with your chair) and committee members several months earlier, and your proposal was approved. That is, you would have discussed dissertation ideas and had a proposal meeting with your committee by the previous May (or earlier, depending on the type of research conducted). The time between May and November 1st would have been spent conducting the dissertation research and writing the first draft of the chapters.

Appendix D: WSU College of Education Ph.D. Cognate Options

Possible Cognate Areas of Study

General Overview

Education Ph.D. programs at Washington State University are designed to provide focused, discipline-specific expertise to emerging scholars in the fields of 1) Cultural Studies and Social Thought in Education (CSSTE), 2) Educational Psychology (EdPsy), 3) Language, Literacy, & Technology (LLT), 4) Mathematics & Science Education (MthSciEd), and 5) Special Education (SpEd). Each area contains core research and knowledge important to scholars in that field.

However, educational research often draws from a wide array of theories, frameworks, and methodologies that cut across various fields of study. Because specific research areas often have interdisciplinary foci that relate to two or more of the above areas, the five Education Ph.D. programs at WSU have collectively developed sets of courses that represent possible **cognates** in specific areas of study. The courses should be selected in conjunction with your advisor and **can be used to satisfy the cognate area requirement of your program of study**, if applicable. You have the option of obtaining a/an 1) discipline-specific cognate, 2) interdisciplinary cognate, or 3) dual-area certificate cognate. These options extend any other set of options already offered by your Ph.D. program.

All courses listed below will be offered to all campuses via videoconferencing and will be scheduled in the evening unless noted below. Scheduling and other logistical issues might prevent you from being able to take the specified courses in a given cognate. It is strongly recommended that the list of courses be used whenever possible; however, we recognize the need for flexibility and are open to approved changes or course substitutions subject to the approval of your advisor and program committee. It is up to you and your faculty advisor to monitor cognate progress and completion.

Discipline-Specific Cognate Options

The following cognates comprise 3-credit courses recommended for students by faculty in the given areas and intended for students not enrolled in the given area. They collectively provide a knowledge base suitable for a cognate in that area. Students successfully enrolling in a given set of courses will receive a certificate in that area (e.g., "Certificate of Cultural Studies and Social Thought in Education").

Discipline-Specific Cognate in ...		
Cultural Studies and Social Thought in Education		
CSSTE 531	Cultural Studies in Education	<i>Fall Even</i>
CSSTE 535	Multicultural Education in a Global Society	<i>Fall every year</i>
CSSTE 536	Environment, Culture, and Education	<i>Spring Odd</i>
CSSTE 537	Place Based Education	<i>Spring Odd</i>
Educational Psychology		

Ed_Psych 502	Theory Foundations of Learning and Instruction	<i>Fall every year</i>
Ed_Psych 573	Motivational Theories	<i>Spring Even</i>
Ed_Psych 521	Topics Course: Embedded Cognition	<i>Fall Even</i>
Ed_Psych 521	Topics Course: Data Management and Visualization	<i>Summer every year</i>

Language, Literacy, and Technology

Tch_Lrn 511	Foundations of Theoretical Frameworks	<i>Fall Odd</i>
Tch_Lrn 549	Communicating in a Multilingual Society	<i>Spring Odd</i>
Tch_Lrn 570	Theory and Research in Electronic Literacies	<i>Spring Odd</i>
<u>Choose one of the following:</u>		
Tch_Lrn 550	Second Language Learning and Literacy	<i>Fall Even</i>
Tch_Lrn 562	Foundations of Literacy: Theory & Research	<i>Spring Even</i>

Mathematics and Science Education

Tch_Lrn 581	Learning & Development in Math & Science	<i>Fall Odd</i>
Tch_Lrn 584	Research on Teaching in Math & Science	<i>Fall Even</i>
<u>Choose two from the following:</u>		
Tch_Lrn 512	Language and Cultural Factors in Mathematics	<i>Spring Odd</i>
Tch_Lrn 531	Frameworks for Research in Math & Science Education	<i>Spring Even</i>
Tch_Lrn 571	Research in STEM Education	<i>Spring Odd</i>
Tch_Lrn 574	Science for All	<i>Fall Even</i>

Special Education

Spec_Ed 589	Special Education Personnel Preparation and Professional Development	<i>Fall Odd</i>
Spec_Ed 592	Single Subject Research Design and Methods	<i>Spring Even</i>
Spec_Ed 593	Diversity, Equity, and Inclusion in Special Education	<i>Fall Odd</i>
Spec_Ed 595	Universal Design	

Interdisciplinary Cognate Options

Students interested in obtaining an interdisciplinary cognate can do so by taking any four courses in the above grid. However, it is strongly recommended that a given theme or focus connect the courses; advisor and committee approval of an interdisciplinary cognate is required.

To assist students and advisors interested in the interdisciplinary option, the following cognates have been created that are comprised of 3-credit courses offered in several different WSU Ph.D. programs, connected by a specific focus identified in the cognate title.

Interdisciplinary Cognate in ...		
Research Methods across Disciplines		
Ed_Psych 521	Topics Course: Data Management and Visualization	<i>Every Summer</i>
Spec_Ed 592	Single Subject Research Design and Methods	<i>Spring Even</i>
Tch_Lrn 511	Foundations of Theoretical Frameworks (LLT)	<i>Fall Odd</i>
Tch_Lrn 531	Frameworks for Research in Math & Science Education	<i>Spring Even</i>
Research on Learning and Cognition		
Ed_Psych 502	Theory Foundations of Learning and Instruction	<i>Fall every year</i>
Spec_Ed 593	Diversity, Equity, and Inclusion in Special Education	<i>Fall Odd</i>
OR		
Tch_Lrn 550	Second Language Learning and Literacy	<i>Fall Even</i>
Tch_Lrn 562	Foundations of Literacy: Theory & Research	<i>Spring even</i>
Tch_Lrn 581	Learning & Development in Math & Science	<i>Fall Odd</i>
Research on Equity in Education		
CSSTE 535	Multicultural Education in a Global Society	<i>Fall every year</i>
Spec_Ed 593	Diversity, Equity, and Inclusion in Special Education	<i>Fall Odd</i>
OR		
Tch_Lrn 512	Language and Cultural Factors in Mathematics	<i>Spring Odd</i>
Tch_Lrn 574	Science for All	<i>Fall Even</i>
Tch_Lrn 549	Communicating in a Multilingual Society	<i>Spring Odd</i>
Research on Instruction		
CSSTE 537	Place Based Education	<i>Spring Odd</i>
Spec_Ed 595	Universal Design	

Tch_Lrn 570	Theory and Research in Electronic Literacies	<i>Spring Odd</i>
Tch_Lrn 584	Research on Teaching in Math & Science	<i>Fall Even</i>

Research on Social Aspects of Education

Choose 4 of the 5 courses listed:

CSSTE 536	Environment, Culture, and Education	<i>Spring Odd</i>
Ed_Psych 521	Topics Course: Embedded Cognition	<i>Fall Even</i>
Spec_Ed 595	Universal Design	
Tch_Lrn 549	Communicating in a Multilingual Society	<i>Spring Odd</i>
OR		
Tch_Lrn 512	Language and Cultural Factors in Mathematics	<i>Spring Odd</i>
Tch_Lrn 574	Science for All	<i>Fall Even</i>

Dual- and Multi-area Cognate Options

Students interested in obtaining a dual-area cognate can take four courses that are 1) thematically connected, 2) outside of the student's degree program, and 3) approved by the student's advisor and committee. The courses should provide students with core knowledge in both fields of study and the basis for a collective focus across the areas.

If deemed appropriate, students could create a cognate by taking courses in three different program areas if they satisfy the three criteria outlined above.

Here are two examples of potential dual- and multi-area certificates:

- **Literacy in Special Education:** TchLrn 549, 562; Spec Ed 593, 595
- **Equity in STEM Education:** TchLrn 512, 549, 574; CSSTE 535