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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). The guidelines in this handbook are to 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 strong program of mentorship 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 extremely 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 also active contributors to research in their respective fields. The faculty conduct a wide range of research, some of which is integrated into the public-school systems (e.g., implementation of the CCSS with informational science texts, professional development for teachers) and some that is aimed at community-based solutions to educational issues. You have access to these faculty and their projects through course work, advising structures, and, of course, research publications. Seek out this faculty expertise in teaching and research as you progress through the program.

Please read through this Student Handbook prior to 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
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 in 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/or theory.
2. Effectively communicate scholarly work through written, and oral, and/or alternative formats.
3. Publish and/or present original scholarship that demonstrates 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 that are 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 the Doctor of Philosophy (Ph.D.). The Ph.D. emphasizes research that makes a significant contribution to knowledge in the field of education. It is designed for those students wishing to eventually pursue a career in higher education, or a research/leadership role in schools or organizations/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, as opposed to 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.

<table>
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<tr>
<th>LLT Doctoral Credit Overview</th>
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<td><strong>Credits</strong></td>
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<td><strong>Total Credits</strong></td>
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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

Gisela Ernst-Slavit, Ph.D., University of Florida, gernst@wsu.edu
- ELL and bilingual education, Multicultural and multilingual education, Sociolinguistics
Academic & Degree Requirements, Policies, and Procedures

Degree Requirements

The LLT program offers the Doctor of Philosophy (Ph.D.). The Ph.D. emphasizes research that makes a significant contribution to knowledge in the field of education. It is designed for those students wishing to eventually pursue a career in higher education, a research/leadership role in schools or organizations/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 content credit beyond the master’s degree. The Ph.D. program requires a minimum of 20 semester hours of Doctoral Research, Dissertation, and/or Examination (LLT 800). The performance criteria in LLT 800 are based on a satisfactory/unsatisfactory scale, as opposed to a letter grade. 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.

Mandatory Research Training

As of Spring 2020 term, a mandatory training for CITI Responsible Conduct of Research/Conflict of Interest is required of all graduate students. This is a web based training located at https://myresearch.wsu.edu/MandatoryTraining.aspx. All students 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 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 as well. Students will not be eligible for an assistantship until after this training is completed.

We must report the date of completion. Failure to take this training will result in the delay of your progression through the graduate program. Therefore, students need to complete this training in order to finish their 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 the student. The temporary advisor will assist the student with the initial selection of coursework. It is the student's responsibility to contact the temporary advisor as soon as possible after admission to the Department. The temporary advisor serves only until the student is ready to select a doctoral degree program committee and permanent advisor. The chair of that committee becomes the permanent advisor (see below). If a student wishes to change temporary advisors, that student can 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. The permanent advisor/doctoral committee chair must have a doctoral degree and be qualified, according to COE guidelines, 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 record of research and publication, 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 Doctoral Degree and identify other faculty members to serve on your doctoral committee. The doctoral committee must consist of at least two members, in addition to the committee chair, who hold a doctoral degree and are qualified, according to COE guidelines, to serve on doctoral committees. At least two of the three committee members must be from the Department of Teaching and Learning. All three committee members should have expertise related to your Program of Study. If a student desires that a faculty member who does not meet the COE criteria serve on his/her doctoral committees, 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 include 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 that 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 course work beyond the master’s degree. The core should include the required LLT courses listed in this handbook, as well as 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 included 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 1 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 a student’s myWSU account. Although Graduate School policy requires that this form be completed no later than the third semester of graduate work, of 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 a student’s 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 program of study is approved by the Graduate School, an email is sent both to the student 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 the date of your admission, 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 forms. Forms are uploaded by the student 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 up to 12 credits and is subject to 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 prior to formal admission to the Graduate School, other than credit earned while enrolled as a Class 5B 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/ddlnsProc_doctoral.pdf/) for submission of the Program of Study so that you get current information about due dates that affect you.

Registration and Credit Load

Graduate Students are responsible for completing 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. All full-time graduate students must register for at least one (1) 800 (doctoral) level research credit each semester to track faculty advisor effort. Part-time graduate students must register for a minimum of 2 credit hours and no more than 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 2 graduate credits per semester (excluding the summer). For further information regarding the Continuous Enrollment for Degree Seeking (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 an option 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 they cannot progress in the completion of 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 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 prior to 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 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 are required to 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 make a determination as to 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 are required to complete the self-evaluation/progress review within 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 signed report.

Grade Point Average

You are required to have a 3.0 cumulative and a 3.0 program GPA in order 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, and the course cannot be repeated on an 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 a provisional status, you must maintain at least a 3.0 GPA in order to continue you enrollment in the 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 favorable recommendation of the department chair. Upon reinstatement, you will have one semester to raise your cumulative GPA to at least a 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 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 compliment, clarify, and extend the policies of the Graduate School. Students are responsible for following all WSU Graduate School policies in addition to the policies contained in this document.

For example, students are required to complete all requirements, including dissertation defense, within three years of successful completion of Preliminary Examinations. Students are encouraged to consider this requirement when scheduling Preliminary Examinations.

Students are also discouraged from scheduling D1 in summer session 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 students 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 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 options to consider for the Preliminary Examination:

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 the 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 to four questions posed by the chair and committee members in consultation with the
student. The student is generally allowed one week to craft a written response to each question. (The time frame is decided upon by the chair and committee members.) 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 posed by the chair and committee members. The topic areas will be discussed with the student. After the timed responses are submitted, an oral defense will occur.

4. **Alternative Preliminary Examination product.** This option allows the student to submit a written proposal to his or her chair and committee 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. Students must be enrolled at the beginning of the term in a minimum of two (2) credits of LLT 800 to take the exam. Scheduling the Preliminary Examination with your committee includes setting the date, location and time of the meeting. It is the student’s responsibility to insure that all members of the committee agree and the location is reserved.

The student must complete the Preliminary Examination Scheduling Form and it is uploaded by the student through their myWSU > Profile > Service Request for electronic approvals within myWSU. Only completed forms will processed and must be submitted at least 15 business days prior to 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 four weeks 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 fail. After the ballot meeting, your advisor will notify you regarding the results, and you may request a 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 Preliminary Examinations results in termination of enrollment in the doctoral program and the Graduate School.
Dissertation Guidelines

Dissertation Proposal (D1)

A dissertation proposal (D1) is a concise and convincing overview of the research you propose to undertake for the dissertation. While the format for a D1 is variable, your committee chair and committee members may have specific requirements regarding the format. Discuss the format options with your chair, as well as the members of your committee. The D1 may be developed prior to or after the Preliminary Examination. The advantage to providing the D1 to your committee prior to 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.

Typically, a semester or two prior to 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 format should adhere to the style set forth in the latest edition of the Publication Manual of the American Psychological Association (APA). The D1 should address the following questions:

1. What is the rationale for the study (note that this is not a detailed literature review, but a convincing rationale for the study)?
2. What is the problem, issue, question, or hypothesis?
3. What have others speculated, asserted, found, and/or concluded about this problem, issue, question, or hypothesis? (This may contain a detailed literature review)
4. What do you propose to do to investigate, explore, or examine your topics?
   a. Whom will you observe, test, teach, interview, etc. (i.e., who will be the participants/subjects)?
   b. What instruments or measures will be employed to conduct those activities?
   c. How will you conduct the study (procedures)?
   d. How will you organize or analyze the resulting data (analysis)?
   e. What will be your intervention (if applicable)?
5. What knowledge will be added to the literature that was not known before? How is your study proposal going to significantly impact the field?

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 for feedback. You and your chair will decide upon the means of obtaining your committee’s feedback (e.g., a meeting, presentation, written comments submitted to you or the chair).

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

You should work closely with your doctoral committee in the development of 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.

When you and your committee determine you are ready for the formal presentation of the proposal, you must complete and submit a **Dissertation Proposal (D1) Scheduling form** ([https://education.wsu.edu/documents/2015/09/proposals-d-1m-1t-1-scheduling-form.pdf](https://education.wsu.edu/documents/2015/09/proposals-d-1m-1t-1-scheduling-form.pdf)). This includes reserving a room for your presentation (consult with the department staff about scheduling a location). You must secure the signatures of your committee and submit the D1 Scheduling Form to the COE Office of Graduate Education who will then secure the signature of the department chair and place the form in your file. Provide your committee members with a hard copy of the final draft of the dissertation proposal.

The formal dissertation proposal consists of a presentation in a colloquium that may be open to the public if the chair and student agree. 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 denial of the D1. The committee will indicate one of the following decisions on the **Dissertation Proposal Approval Form** ([https://education.wsu.edu/documents/2015/09/dissertation-d-1-proposal-approval-form.pdf](https://education.wsu.edu/documents/2015/09/dissertation-d-1-proposal-approval-form.pdf)):

(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 form.

The dissertation proposal must be written according to the style specified in the latest edition of the Publication Manual of the APA Quick Guide ([http://www.wsulibs.wsu.edu/quickguides/apa](http://www.wsulibs.wsu.edu/quickguides/apa)). However, you will develop the format for the proposal with your chair.

**Human Subjects Form and CITI training**

After approval of the D-1 and prior to any data collection, you must do CITI training and obtain WSU Institutional Review Board (IRB) approval to conduct research involving human subjects. The IRB letter of approval 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 but it must be submitted no later than when your Dissertation/Thesis Acceptance/Final Examination scheduling form is submitted. Failure to gain approval prior to data collection shall result in 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/](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 inform you 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. Upon completion of data collection and analysis, you are ready to write the dissertation.

In its final form, the dissertation usually includes five chapters or sections—including the introduction, literature review, methodology, results, and discussion sections. It is not uncommon for these chapters to undergo several iterations before final approval. In LLT, an academic writing course (TCH LRN 582) is offered for students wanting extra writing support. For more details on the contents of each section of the dissertation, find the handout "Writing the dissertation" on the LLT web pages.

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, time, and have the location of the defense reserved (if needing 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. Complete the scheduling of the final oral examination by providing your committee a completed Scheduling Final Examination Form for Dissertation/Thesis degrees. The form is uploaded by the student through their myWSU account > Profile > Service Request for electronic approvals within myWSU. The form will be electronically approved by your committee and department chair and ultimately the Graduate School.
4. Committee members’ agreement for the Exam form signifies preliminary approval of the dissertation that is 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, content will be reviewed by your committee.
5. Committee members must be given the entire dissertation a minimum of fifteen (10) days prior to 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 at least four months, but less than three 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 hours, which includes time for the presentation, questions, deliberation by the committee and signatures on the final paperwork. The examining committee shall include your doctoral committee and any other members of the faculty 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. In order 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.

**Alternative Formats**

Alternative formats to the dissertation format described previously must be approved by the department and the Graduate School. 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.
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 students can be notified of graduate requirements (to-do lists) before enrolling for their last semester. The fee associated with graduation must be paid prior to the final examination. If you do not graduate in the semester for which you applied, you must reapply for the degree. However, the fee is paid if it carries over from semester to semester for one calendar year.

The semester prior to 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, and abstract; copyright releases; 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, the student must submit a PDF copy of your title page and abstract page through myWSU > Profile >Service Request, and a Hold Harmless Agreement/Copyright Acknowledgement as well.

Doctoral students have the addition task of completing the online Survey of Earned Doctorates (SED), emailing the confirmation page to gradschool@wsu.edu.

All students are required to submit a copy of the thesis to the committee chair either in electronic format or on paper, their choice, (binding is optional and decided upon by the chair/advisor). 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 completed scheduling form with 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 prior to examination date.

b. It is strongly advised that a student Apply to Graduate, a link in your myWSU student center, at least one semester before the final oral examination is scheduled so that students can be notified of graduate requirements (to-do lists) before enrolling for their last semester. You will be charged a Graduation Fee is a mandatory fee to help with printing and mailing of your diploma. If you are not able to defend the term you apply an updated Application of Degree is required, the graduation fee will carry over for two terms if you need to update your term of graduation.

c. Submit completed scheduling form (including approved examination date, hour and place) at least 15 full business days in advance of 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, content will be reviewed by your committee. A copy of the dissertation must be available in the department office for public inspection at least 10 full business days prior to the final examination. The student must provide a copy of the dissertation to each member of the doctoral committee at least 10 full business days before the committee members are asked to sign the scheduling form.

e. The final form of the dissertation should be turned in within five business days of successful completion of final oral examination and before final date designated.

f. Those who desire to graduate in May (or spring semester) and plan to attend commencement must have all degree requirements completed. 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., minimum of 10 semester hours during the spring and fall terms). A TA typically teaches two courses each semester under the supervision of a faculty member and during the first semester of the assistantship must enroll in TCH LRN 527 Seminar in Teacher Education Instruction for one-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 provide assistance in identifying possibilities for funding outside of the college.

To be considered for a TA or RA position, 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 of the following year for the upcoming academic term. Awards range in dollar amounts with the average 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

During the term of 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) with the exception of 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, students must leave a forwarding address with the COE Office of Graduate Education, return all keys and equipment to the main office, and consult with the advisor about the student’s research and office space.

College of Education Computer Lab:

The College of Education computer lab located in Cleveland Hall, room 63, 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. There is also a computer lab in the Graduate Lounge (Cleveland Hall 70E) that can be used during weekdays.

Grievances:

If grievances arise, the student should discuss the problem with their 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, in the event that they are lost or the student leaves the University without returning them, the student 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 that are clearly 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 of your dissertation is considered personal work. Students may request assistance with mailing or sending FedEx packages if they are clearly 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. Students should consult their 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:

The department maintains a thesis/dissertation library for graduates in Cleveland Hall 315 or the most current copies are in the WSU Library please see their pages https://libraries.wsu.edu/info-for/students/ and https://libraries.wsu.edu/info-for/new-users/.

Travel:

For liability and reimbursement purposes, all students must complete a Travel Authority form for any work-related trip they take that is outside of Pullman (or any other station for off-campus students). This and other forms are available in the 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.

Students are strongly urged to attend professional meetings; at times, the department may have funds to pay some travel expenses of students. 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

<table>
<thead>
<tr>
<th>Washington State University Pullman</th>
<th>Washington State University Spokane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Teaching &amp; Learning</td>
<td>College of Education</td>
</tr>
<tr>
<td>321 Cleveland Hall</td>
<td>PO Box 1495</td>
</tr>
<tr>
<td>Pullman, WA 99164-2132</td>
<td>Spokane, WA 99210-1495</td>
</tr>
<tr>
<td>Phone: (509) 335-6842</td>
<td>Phone: (509) 358-7942</td>
</tr>
<tr>
<td>Fax: (509) 335-5046</td>
<td>Fax: (509) 358-7933</td>
</tr>
<tr>
<td><a href="mailto:education@wsu.edu">education@wsu.edu</a></td>
<td></td>
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<tr>
<th>Washington State University TriCities</th>
<th>Washington State University Vancouver</th>
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<tbody>
<tr>
<td>College of Education</td>
<td>College of Education</td>
</tr>
<tr>
<td>2710 Crimson Way</td>
<td>Undergraduate Building (VUB) 300</td>
</tr>
<tr>
<td>Richland, WA 99354-1671</td>
<td>Phone: (509) 546-9660</td>
</tr>
<tr>
<td>Phone: (509) 372-7396</td>
<td>Fax: (509) 546-9040</td>
</tr>
<tr>
<td><a href="mailto:debarnett@vancouver.wsu.edu">debarnett@vancouver.wsu.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

## Academic Coordinators

<table>
<thead>
<tr>
<th>Washington State University Pullman</th>
<th>Washington State University Spokane</th>
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<tbody>
<tr>
<td>Office of Graduate Education</td>
<td>College of Education</td>
</tr>
<tr>
<td>College of Education</td>
<td>TBD,</td>
</tr>
<tr>
<td>Cleveland Hall 70</td>
<td>Academic Coordinator</td>
</tr>
<tr>
<td>Pullman, WA 99164</td>
<td>PO Box 1495</td>
</tr>
<tr>
<td>Fax: (509) 335-9172</td>
<td>Spokane, WA 99210-1495</td>
</tr>
<tr>
<td>Email: <a href="mailto:gradstudies@wsu.edu">gradstudies@wsu.edu</a></td>
<td>Phone: (509) 358-7942</td>
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<td></td>
<td>Fax (509) 358-7933</td>
</tr>
<tr>
<td>Kelly McGovern, Director</td>
<td>Email: TBD</td>
</tr>
<tr>
<td>Cleveland Hall 70C</td>
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<tr>
<td>Email: <a href="mailto:mcgovernk@wsu.edu">mcgovernk@wsu.edu</a></td>
<td></td>
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<tr>
<td>Phone: 509-335-9195</td>
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<tr>
<td>Andrea Cox, Academic Coordinator</td>
<td>College of Education</td>
</tr>
<tr>
<td>2710 Crimson Way</td>
<td>Jennifer Gallagher, Academic Coordinator</td>
</tr>
<tr>
<td>Richland, WA 99354-1671</td>
<td>Undergraduate Building (VUB) 308</td>
</tr>
<tr>
<td>Phone: (509) 372-7394</td>
<td>Phone: (360) 546-9075</td>
</tr>
<tr>
<td>Email: <a href="mailto:andrea.cox@wsu.edu">andrea.cox@wsu.edu</a></td>
<td>Email: <a href="mailto:j.gallagher@wsu.edu">j.gallagher@wsu.edu</a></td>
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<tr>
<td>Phone: (360) 546-9075</td>
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<tr>
<td>Email: <a href="mailto:j.gallagher@wsu.edu">j.gallagher@wsu.edu</a></td>
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</table>
Central Services, Facilities, and Resources

Residency Requirements
[https://gradschool.wsu.edu/establishing-residency/]

Email: https://office365.wsu.edu  Log in with your WSU NID and password

Parking and Map
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-9 Forms

W-4 Forms

Tax Information
U.S. Citizens: http://payroll.wsu.edu/ppt/StudentTaxPresentation12.ppt
Non U.S. Citizens: https://payroll.wsu.edu/non-u-s-citizens/

Automatic Payroll Deposit
https://payroll.wsu.edu/graduate-student-payroll-deduction/

Social Security Numbers
Significance and correction of an SSN and application pointers: http://www.wsu.edu/payroll/stntpay/sscardapppoint.htm

Central Services and Facilities
Student Services, including Health and Counseling Services
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/

Libraries
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/

Parking
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**

<table>
<thead>
<tr>
<th>Coursework Phase</th>
<th>Preliminary Examination Phase</th>
<th>Dissertation Proposal Phase (referred to as the “D-1”)</th>
<th>Dissertation Research and Writing (Defense) Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Enroll every semester LLT 800 (1 credit min.)</td>
<td>● Enroll every semester LLT 800 (1 credit min.) OR ● Enroll LLT 800 (minimum of two credits the semester you take the preliminary exam)</td>
<td>● 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</td>
<td>● 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)</td>
</tr>
<tr>
<td>● Review Doctoral Program Coursework (Appendix B)</td>
<td>● Meet with Committee (Committee and student decide on exam format from list below) 1. <em>Publishable paper and oral defense.</em> 2. <em>Critical synthesis of research, theory, and practice, and oral defense.</em> 3. <em>Intensive and prompted response and oral defense.</em> 4. <em>Alternative comprehensive product.</em></td>
<td>If approved ● Submit Dissertation Proposal Approval Form to COE Office of Graduate Education ● Submit IRB documents (Must have approval of IRB before starting research/data collection.)</td>
<td>Defend Dissertation ● 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 members of the faculty. ● 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 three-fourths of those voting must vote to pass you. In the event of 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.</td>
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<td>● Choose Chair and Committee and develop a Program of Study (POS)</td>
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<td>● Submit POS to Graduate School by 3rd semester</td>
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<td><strong>Required Graded Credits:</strong></td>
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<td>LLT Specialization (18 credits)</td>
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<td>Research Core (12 credits)</td>
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<tr>
<td>Electives (4 credits)</td>
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<td>(See Appendix B)</td>
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</tr>
<tr>
<td><strong>Non-Graded Credits:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LLT 800 (20 credits)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Additional Credits:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prerequisite Research Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ED_PSYCH 505 – or equivalent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ED_PSYCH 508 – or equivalent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Highly Recommended</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ED_AD 536: Introduction to Qualitative Research in Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ED RES 571: Dissertation Prep</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Appendix B: LLT Doctoral Program Coursework

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credits</td>
<td>72</td>
</tr>
</tbody>
</table>

### Required Graded Coursework: (Minimum requirements: 34 credits)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Graded Coursework</td>
<td>34</td>
</tr>
</tbody>
</table>

### LLT Specialization Core (Minimum requirements: 18 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLT 586</td>
<td>Seminar in LLT (1) enroll 3x</td>
<td></td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>TCH LRN 511</td>
<td>Theoretical Foundations of Education Research (3)</td>
<td></td>
<td>Fall <em>odd years</em></td>
</tr>
<tr>
<td>TCH LRN 550</td>
<td>Second Language Learning and Literacy (3)</td>
<td></td>
<td>Fall <em>even years</em></td>
</tr>
<tr>
<td>TCH LRN 562</td>
<td>Foundations of Literacy (3)</td>
<td></td>
<td>Spring <em>even years</em></td>
</tr>
<tr>
<td>TCH LRN 570</td>
<td>Theory and Research in Electronic Literacies</td>
<td></td>
<td>Spring <em>odd years</em></td>
</tr>
<tr>
<td>TCH LRN 582</td>
<td>Academic Writing (3)</td>
<td></td>
<td>Spring</td>
</tr>
</tbody>
</table>

*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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED RES 562</td>
<td>Epistemology (3)</td>
<td></td>
<td>Fall</td>
</tr>
<tr>
<td>ED RES 563</td>
<td>Principles of Research (3)</td>
<td></td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>ED RES 564</td>
<td>Qualitative Research Literature (3)</td>
<td></td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>ED RES 565</td>
<td>Quantitative Research (3)</td>
<td></td>
<td>Fall, Spring</td>
</tr>
</tbody>
</table>

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

### Prerequisites for Advanced Research Core (if needed)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED_PSYCH 505</td>
<td>Research Methods (3) or equivalent</td>
<td></td>
<td>Fall, Spring, Summer</td>
</tr>
<tr>
<td>ED_PSYCH 508</td>
<td>Educational Statistics (3) or equivalent</td>
<td></td>
<td>Fall, Spring, Summer</td>
</tr>
</tbody>
</table>

*Note: The prerequisites EdPsy 505 and EdPsy 508 may need to be taken in addition to the 12 credits of advanced research core listed above.*

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

### Electives (Minimum requirements: 4 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCH LRN 501</td>
<td>Bilingual / ESL Education</td>
<td></td>
<td>Spring <em>odd years</em></td>
</tr>
<tr>
<td>TCH LRN 504</td>
<td>Advanced Study in Linguistics for Educators (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 509</td>
<td>Research in Curriculum and Assessment for Bilingual/ESL Education (3)</td>
<td></td>
<td>Fall <em>odd years</em></td>
</tr>
<tr>
<td>TCH LRN 510</td>
<td>Theoretical Foundations of Bilingual/ESL Education (3)</td>
<td></td>
<td>Fall</td>
</tr>
<tr>
<td>TCH LRN 514</td>
<td>Methods and Materials for Bilingual/ESL Education (3)</td>
<td></td>
<td>Spring <em>even years</em></td>
</tr>
<tr>
<td>TCH LRN 516</td>
<td>Advanced CALL (3)</td>
<td></td>
<td>Spring</td>
</tr>
<tr>
<td>TCH LRN 518</td>
<td>Integrating Technology in the Curriculum (3)</td>
<td></td>
<td>Spring</td>
</tr>
<tr>
<td>TCH LRN 519</td>
<td>Instructional Media Production I (3)</td>
<td></td>
<td>Fall</td>
</tr>
<tr>
<td>TCH LRN 528</td>
<td>Literacy within the Disciplines (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 544</td>
<td>Advanced Children’s Literature (3)</td>
<td></td>
<td>Fall</td>
</tr>
<tr>
<td>TCH LRN 546</td>
<td>Teaching Writing (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 549</td>
<td>Communicating in a Multilingual Society (3)</td>
<td></td>
<td>Spring</td>
</tr>
<tr>
<td>TCH LRN 551</td>
<td>Psychology of Reading (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 553</td>
<td>Assessment and Instruction for Reading K-12 (4)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 554</td>
<td>Sociolinguistics (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 558</td>
<td>Improving Reading Comprehension (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 567</td>
<td>Sociocultural Foundations of Language and Literacy (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 568</td>
<td>Psychological Foundations of Language and Literacy (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 569</td>
<td>Critical Analysis of Children’s &amp; Young Adult Literature (3)</td>
<td></td>
<td>TBD</td>
</tr>
<tr>
<td>TCH LRN 573</td>
<td>Theory and Research in CALL (3)</td>
<td></td>
<td>TBD</td>
</tr>
</tbody>
</table>
ED AD 518    Media Literacy and Educational Technology (3)    TBD
ED RES 571    Dissertation Preparation (3) highly recommended    Fall
SPEC ED 595    Universal Design (3)    Fall odd years
XXX XXX    Other courses approved by program committee

Please see Appendix D for potential Cognate Options.

<table>
<thead>
<tr>
<th>Required Non-Graded Coursework: (Minimum requirements: 20 credits)</th>
</tr>
</thead>
</table>

Dissertation Credits (Minimum requirements: 20 credits)

**LLT 800**
Enroll in at least 1 credit per semester.
Enroll in at least 2 credits when taking the final examination.

Non-Graded Electives (Optional)
TCH LRN 527    Seminar in Teacher Education Instruction (V) required for TAs and by interview only    Fall, Spring
TCH LRN 590    Internship (3) by interview only    Fall, Spring
TCH LRN 600    Special Projects or Independent Study (V) by interview only    Fall, Spring
XXX XXX    Other courses approved by program committee    TBD

LLT Doctoral Credit Overview

<table>
<thead>
<tr>
<th>Graded Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLT Core Courses</td>
<td>18</td>
</tr>
<tr>
<td>Research Courses</td>
<td>12</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Graded Credits</strong></td>
<td><strong>34</strong></td>
</tr>
<tr>
<td>Additional Electives (Graded or non-graded)</td>
<td>18</td>
</tr>
<tr>
<td>Dissertation credits</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>72</strong></td>
</tr>
</tbody>
</table>

Coursework approved by the faculty on: August 25, 2017

Pathway to Endorsement or Certificate:

<table>
<thead>
<tr>
<th>Endorsement or Certificate in English Language Learners</th>
<th>Certificate in Education Technology Across the Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Coursework (15 credits)</td>
<td>Required Coursework (9 credits)</td>
</tr>
<tr>
<td>TCH LRN 501</td>
<td>TCH LRN 516</td>
</tr>
<tr>
<td>TCH LRN 509</td>
<td>TCH LRN 518</td>
</tr>
<tr>
<td>TCH LRN 514</td>
<td>TCH LRN 519</td>
</tr>
<tr>
<td>TCH LRN 510</td>
<td>ED AD 519</td>
</tr>
<tr>
<td>TCH LRN 549</td>
<td>SPEC ED 595</td>
</tr>
<tr>
<td>Elective coursework (3 credits)</td>
<td>Elective coursework (6 credits)</td>
</tr>
<tr>
<td>TCH LRN 504</td>
<td>TCH LRN 570</td>
</tr>
<tr>
<td>TCH LRN 516</td>
<td>TCH LRN 573</td>
</tr>
<tr>
<td>ED AD 519</td>
<td>ED AD 518</td>
</tr>
</tbody>
</table>

TCH LRN 549                                            | SPEC ED 595                                           |
Appendix C: Dissertation Timeline Considerations

The dissertation needs to be approved by the chair of your committee as well as all committee members before you begin working on the dissertation. After the Dissertation Proposal (D-1) has been approved, you can begin 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 be meeting with your chair to inform him/her of your accomplishments, and also to 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. Draft 1 of chapters/sections to chair.
2. Draft 1 returned to you 2 weeks (14 days) after chair receives it.
4. Draft 2 returned to you 2 weeks after chair receives it.
5. Draft 3 to chair: You edit/revise.
6. Draft 3 returned to you 2 weeks after advisor chair receives 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. Draft 1 of chapters/sections to your program committee members
2. Draft 1 returned to you 2 weeks after the members receive it

Before revising the draft per the committee members’ suggestions, consult with your chair.

3. Draft 2 to program committee members
4. Draft 2 returned to you 2 weeks after members receive it
   (This drafting/revising may continue through several additional cycles.)

After the last draft/revise cycle, you will want to share the revised chapters/sections with your chair. The chair will review the draft within two weeks of you submitting it to him/her. 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 also 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 draft of the dissertation. (If you need 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 important for staying within the timeline.)

When the chair feels you are ready, he/she 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. Each committee member, and the chair must sign the form. You obtain their signatures for the form and simultaneously 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/2015/03/final-exam-scheduling-for-masters-and-doctoral.pdf/](https://gradschool.wsu.edu/documents/2015/03/final-exam-scheduling-for-masters-and-doctoral.pdf/)) and upload to your myWSU Service Request portal. This Exam form is due in the department a full 15 business days before your exam for approvals and processing.

You must be enrolled in Final Examination credits during the semester in which you present your dissertation, LLT 800 (minimum 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. The chair may direct you to send the quality final 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

Students should work with their advisors/chairs to establish a timeline like this for finishing their dissertations. If students hope to present/defend their dissertations in the summer term, they should consult with their 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 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, the student would have discussed dissertation ideas and had a proposal meeting with his/her 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 PhD Cognate Options

Possible Cognate Areas of Study

General Overview

Education PhD 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 given field.

However, educational research often draws from a wide array of theories, frameworks, and methodologies that cut across various fields of study. Because specific areas of research often have interdisciplinary foci that relate to two or more of the above areas, the five Education PhD 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. Students 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 the student’s given PhD 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 a student from being able to take the specified courses in a given cognate. It is recommended strongly 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 the student’s advisor and program committee. It is up to the student and faculty advisor to monitor cognate progress and completion.
**Discipline-Specific Cognate Options**

The following cognates are comprised of 3-credit courses recommended for students by faculty in the given areas, and intended for students not enrolled in the given area. They provide collectively a base of knowledge 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”).

<table>
<thead>
<tr>
<th>Cognate in …</th>
<th>CSSTE</th>
<th>EdPsy</th>
<th>LLT</th>
<th>MthSciEd</th>
<th>Spec Ed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Even</td>
<td></td>
<td>Fall every year</td>
<td>Fall Odd</td>
<td>Fall Odd</td>
<td>Spring Even</td>
</tr>
<tr>
<td><strong>CSSTE 535</strong> Multicultural Education in a Global Society</td>
<td>CSSTE 535</td>
<td>EDPSYCH 573 Motivational Theories</td>
<td>TCH_LRN 549 Communicating in a Multilingual Society</td>
<td>TCH_LRN 584 Research on Teaching in Math &amp; Science</td>
<td>Spec Ed 592 Single Subject Research Design and Methods</td>
</tr>
<tr>
<td>Fall every year</td>
<td></td>
<td>Spring Even</td>
<td>Spring Odd</td>
<td>Fall Even</td>
<td>Spring Even</td>
</tr>
<tr>
<td><strong>CSSTE 536</strong> Environment, Culture, and Education</td>
<td>CSSTE 536</td>
<td>EDPSYCH 521 Embedded Cognition</td>
<td>TCH_LRN 570 Theory and Research in Electronic Literacies</td>
<td><strong>Choose 2:</strong> TCH_LRN 512 Language &amp; Cultural Factors in Mathematics</td>
<td>Spec Ed 593 Diversity Issues in Special Education: Theory, Research, and Practice</td>
</tr>
<tr>
<td>Spring Odd</td>
<td></td>
<td>Fall Even</td>
<td>Spring Odd</td>
<td></td>
<td>Fall Even</td>
</tr>
<tr>
<td><strong>CSSTE 537</strong> Place Based Education</td>
<td>CSSTE 537</td>
<td>EDPSYCH 521 Data Management and Visualization</td>
<td><strong>Choose 1:</strong> TCH_LRN 550 Second Language Learning and Literacy</td>
<td>TCH_LRN 531 Frameworks for Research in Math &amp; Science Education</td>
<td>Spec Ed 595 Universal Design for Learning and Assistive Technology</td>
</tr>
<tr>
<td>Spring Odd</td>
<td></td>
<td>Every Summer</td>
<td>Fall Even</td>
<td>Spring Even</td>
<td>Fall Odd</td>
</tr>
</tbody>
</table>

**Course Descriptions:**
- **CSSTE 531:** Cultural Studies in Education
- **CSSTE 535:** Multicultural Education in a Global Society
- **CSSTE 536:** Environment, Culture, and Education
- **CSSTE 537:** Place Based Education
- **EDPSYCH 502:** Theor Found. Of learning
- **EDPSYCH 573:** Motivational Theories
- **EDPSYCH 521:** Embedded Cognition
- **TCH_LRN 511:** Foundations of Theoretical Frameworks
- **TCH_LRN 549:** Communicating in a Multilingual Society
- **TCH_LRN 570:** Theory and Research in Electronic Literacies
- **TCH_LRN 550:** Second Language Learning and Literacy
- **TCH_LRN 581:** Learning & Development in Math & Science
- **TCH_LRN 584:** Research on Teaching in Math & Science
- **TCH_LRN 531:** Frameworks for Research in Math & Science Education
- **TCH_LRN 552:** Foundations of Literacy: Theory & Research
- **TCH_LRN 571:** Research in STEM Education
- **TCH_LRN 574:** Science for All
Interdisciplinary Cognate Options

Students interested in obtaining an interdisciplinary cognate can do so by taking any four of the courses in the above grid. However, it is recommended strongly that the courses be connected by a given theme or focus; 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 PhD programs, connected by a specific focus identified in the cognate title.

<table>
<thead>
<tr>
<th>Cognate in …</th>
<th>Research Methods across Disciplines</th>
<th>Research on Learning and Cognition</th>
<th>Research on Equity in Education</th>
<th>Research on Instruction</th>
<th>Research on Social Aspects of Education</th>
</tr>
</thead>
</table>
| **EDPSYCH 521**  
Data Management and Visualization  
Every Summer | EDPSYCH 502  
Theor Found. Of learning  
Fall every year | CSSTE 535  
Multicultural Education in a Global Society  
Fall every year | CSSTE 537  
Place Based Education  
Spring Odd | Choose 4 of the 5 courses listed:  
CSSTE 536  
Environment, Culture, and Education  
Spring Odd |
| **Spec Ed 592**  
Single Subject Research Design and Methods  
Spring Even | Spec Ed 593  
Diversity Issues in Special Education: Theory, Research, and Practice  
Fall Odd | Spec Ed 593  
Diversity Issues in Special Education: Theory, Research, and Practice  
Fall Odd | Spec Ed 595  
Universal Design for Learning and Assistive Technology  
Fall Odd | EDPSYCH 521  
Embedded Cognition  
Fall Even  
Spec Ed 595  
Universal Design for Learning and Assistive Technology  
Fall Even |
| **TCH_LRN 511**  
Foundations of Theoretical Frameworks (LLT)  
Fall Odd | TCH_LRN 550  
Second Language Learning and Literacy  
Fall Even  
OR  
TCH_LRN 562  
Foundations of Literacy: Theory & Research  
Spring Even | TCH_LRN 512  
Lang./Cult in Mathematics  
Spring Odd  
OR  
TCH_LRN 574  
Science for All  
Fall Even | TCH_LRN 570  
Theory and Research in Electronic Literacies  
Spring Odd | TCH_LRN 549  
Communicating in a Multilingual Society  
Spring Odd  
TCH_LRN 512 |
### Dual- and Multi-area Cognate Options

Students interested in obtaining a dual-area cognate can do so by taking four courses that are 1) thematically connected, 2) outside of the students’ 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, as well as 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