

## **REQUIREMENTS FOR RESEARCH FAMILY SCIENCES DOCTORAL DEGREES**

### **RESEARCH TOOLS:**

Research tools are requirements beyond the minimum 90 hours required for Family Sciences doctoral degrees. Students are encouraged to suggest alternative classes to meet these requirements. **The student will complete twelve (12) hours from the following areas (I-V):**

#### **I. LANGUAGES**

- A. Foreign language by passing a competency test in any language other than their native language or by completing a minimum of six (6) graduate hours with a grade of B or better in a language approved by the graduate committee.
- B. Six (6) graduate semester hours in sign language in the Department of Communication Sciences and Disorders.
- C. Two of the following English courses:
  - 1. ENG 5043 - English Grammar and Syntax
  - 2. ENG 5163 - Sociolinguistics
  - 3. ENG 5283 – Studies in Literary Criticism
  - 4. ENG 5363 - Studies in Linguistics
  - 5. ENG 5373 – Professional & Academic Communication
  - 6. ENG 6083 – Research Methods in Rhetoric and Composition
  - 7. ENG 6313 - Studies in Rhetorical Criticism and Discourse Analysis

#### **II. COMPUTER SCIENCE**

Computer Science by passing a competency test in FORTRAN, PASCAL, or SPSSX or by completing two of the following courses with a grade of B or better:

- 1. CSCI 5783 - Computer-Assisted Instructional Systems,
- 2. CSCI 5793 - Statistical Computer Packages **OR**
- 3. CSCI 5893 - Statistical Packages II (permission of instructor required)

#### **III. RESEARCH AND STATISTICS**

Statistics by passing the Department of Mathematics and Computer Science proficiency test or completing six hours of statistics BEYOND THAT REQUIRED ON DEGREE PLAN at TWU with a grade of B or better.

Six (6) hours of statistics at 5000/6000 level

- A. SOCI 5773 - Qualitative Research Methods: Data Gathering **OR**  
 SOCI 6203 - Seminar on Research Methods (*Parkland Campus Only*): **OR**  
 WS 5013 - Emerging Issues and Perspectives: **AND**  
 SOCI 5773 - Qualitative Research Methods: Data Analysis **OR**  
 SOCI 6203 - Seminar on Research Methods (*Parkland Campus Only*)

*(Note: A course in data gathering is a prerequisite for the courses in data analysis.)*

- B. KINS 5023 – Research Methods  
 KINS 5033 – Applied Statistical Principles  
 KINS 5043 – Statistical Inference  
 KINS 6143 – Research Designs in Kinesiology

#### **IV. INFORMATION RETRIEVAL**

- A. LS 5553 - Electronic Information Retrieval **AND**  
 LS 5533\*30 - The Internet

#### **V. FAMILY SCIENCES**

- A. FS 6903 - Academic Life and Scholarship  
 FS 6903 - Professional Seminar  
 FS 6903 - Effective Online Teaching  
 FS 6903 - Health, Illness and Families

#### **RESEARCH REQUIREMENTS WITHIN THE DEGREE:**

Students completing doctoral degrees in the Department of Family Sciences must have a minimum of 30 hours of research coursework exclusive of Research Tools. These courses should be labeled with an "R" on the student's degree plan. The following TWU Family Sciences courses will satisfy the research requirement:

FS 5263	Observation and Assessment in Early Childhood
FS 5323	Psychological Appraisal of the Individual
FS 5693	Research Methods in Family Sciences
FS 5783	Issues in Early Childhood Research & Evaluation
FS 5983	Thesis
FS 5993	Thesis
FS 6403	Theory Building in Family Sciences
FS 6413	Current Research and Issues in Family Sciences
FS 6423	Readings in Family Sciences
FS 6433	Grants Writing in Family Sciences
FS 6653	Seminar in Developmental Theory
FS 6693	Advanced Quantitative Research Methods in Family Sciences
FS 6793	Advanced Qualitative Research Methods in Family Sciences
FS 6983	Dissertation
FS 6993	Dissertation
	Master's level statistics
	Doctoral level statistics

The student's degree plan committee may approve designation of other courses as research courses.