HUMAN DEVELOPMENT AND FAMILY STUDIES

Graduate Program Head: Douglas M. Teti
Program Code: HDFS
Campus(es): University Park (Ph.D., M.S.)
Degrees Conferred: Doctor of Philosophy (Ph.D.), Master of Science (M.S.), Dual-Title Ph.D. in Human Development and Family Studies and Clinical and Translational Sciences, Dual-Title Ph.D. and M.S. in Human Development and Family Studies and Demography, Dual-Title Ph.D. in Human Development and Family Studies and Social Data Analytics

This interdisciplinary program is one of the graduate programs of the College of Health and Human Development. It is administered through the Department of Human Development and Family Studies. The Human Development and Family Studies graduate program is designed to educate students about research, theory, and methodology related to the study of individuals and families across diverse populations and diverse settings. There is a strong interest in the ways in which social institutions and settings such as day care facilities, schools, neighborhoods, and social policy institutions facilitate (or inhibit) opportunities for development and change for individuals and families. Understanding the characteristics and conditions that place individuals or families at risk for developing problems, designing effective prevention programs to address those risks, and mounting rigorous evaluations of such programs is a growing emphasis in the program. All students, regardless of substantive area, are encouraged to develop strong skills in research methods, a hallmark of our graduate training. Through course work and apprenticeship experiences, students develop an understanding of the program’s multidisciplinary life span/life course, and applied orientation. As students progress through the program, they are expected to develop specialized expertise in two or more of the department’s areas of concentration: individual development, family studies, intervention research, and research methods.

Admission Requirements
Applicants apply for admission to the program via the Graduate School application for admission (http://gradschool.psu.edu/prospective-students/how-to-apply). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions (http://gradschool.psu.edu/graduate-education-policies).

Scores from the Graduate Record Examinations (GRE) are required for admission. Entering students should have some course work in social sciences, such as developmental and family science courses from psychology or sociology programs; and foundational courses in research methods and statistics. At the discretion of the program, students not meeting these requirements may be provisionally admitted (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/provisional-admission) with limited deficiencies to be made up concurrently with their graduate work.

Students with appropriate backgrounds will be considered for admission for fall semester only. The best-qualified applicants will be accepted up to the number of spaces that are available for new students. The program does not admit applicants for the terminal master’s degree.

Degree Requirements
Master of Science (M.S.)
Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Requirements. (http://gradschool.psu.edu/graduate-education-policies)

Students who enter the graduate program without a master’s degree must complete a master’s degree en route to the Ph.D. For the Master of Science degree, a minimum of 30 credits at the 400, 500, or 800 level is required, with at least 18 credits in the 500 and 600 series combined. Students are required to complete the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HDFS 501</td>
<td>Human Development Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>HDFS 503</td>
<td>Human Development Intervention: Analysis of</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Theories and Approaches</td>
<td></td>
</tr>
<tr>
<td>HDFS 525</td>
<td>Introduction to Family Studies</td>
<td>3</td>
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</table>

Research Methods

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HDFS 516</td>
<td>Methods of Research in Human Development</td>
<td>3</td>
</tr>
<tr>
<td>HDFS 519</td>
<td>Methods of Statistical Analysis in Human</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Development</td>
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</tbody>
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Substantive Field
A minimum of 9 credits of course work (400 and 500 level) in their substantive field, 6 of which must be in HD FS (excluding HDFS 596 independent study)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>HDFS 600</td>
<td>Thesis Research</td>
<td>6</td>
</tr>
<tr>
<td>or HDFS 610</td>
<td>Thesis Research Off Campus</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 30

The thesis must be accepted by the advisers and/or committee members, the head of the graduate program, and the Graduate School, and the student must pass a thesis defense. Course work completed for the HDFS master’s degree at Penn State can be applied to satisfy the degree requirements for the HDFS Ph.D.

Doctor of Philosophy (Ph.D.)
Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Requirements. (http://gradschool.psu.edu/graduate-education-policies)

For the Ph.D., a minimum of 40.5 credits at the 400, 500, or 800 level is required. Students are required to complete the following:

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</tr>
<tr>
<td></td>
<td>Theories and Approaches</td>
<td></td>
</tr>
</tbody>
</table>

The Graduate Faculty

View (https://secure.gradsch.psu.edu/gpms/index.cfm?searchType= fac & prog=HDFS)

Degrees Conferred

Campus(es)

Program Code

Required Courses

Code | Title                                         | Credits |
-----|-----------------------------------------------|---------|
HDFS 501 | Human Development Across the Lifespan         | 3       |
HDFS 503 | Human Development Intervention: Analysis of   | 3       |
|          | Theories and Approaches                       |         |
HDFS 525 | Introduction to Family Studies                | 3       |

Research Methods

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</tr>
<tr>
<td></td>
<td>Development</td>
<td></td>
</tr>
</tbody>
</table>

Substantive Field
A minimum of 9 credits of course work (400 and 500 level) in their substantive field, 6 of which must be in HD FS (excluding HDFS 596 independent study)

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Total Credits: 30

The thesis must be accepted by the advisers and/or committee members, the head of the graduate program, and the Graduate School, and the student must pass a thesis defense. Course work completed for the HDFS master’s degree at Penn State can be applied to satisfy the degree requirements for the HDFS Ph.D.
### Dual-Titles

#### Dual-Title Ph.D. in Human Development and Family Studies and Clinical and Translational Sciences

Requirements listed here are in addition to requirements listed in GCAC-208 Dual-Title Graduate Degree Programs (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-208-dual-title-graduate-degree-programs).

HDFS doctoral students interested in having a degree that reflects advanced training in the design, analysis, interpretation, implementation, and dissemination of clinical prevention/intervention programs aimed at improving human health across a range of contexts and developmental stages may apply to pursue a dual-title Ph.D. in HDFS and Clinical and Translational Sciences. The dual-title program is applicable for students pursuing academic careers in the area of basic research focused on processes that can be targeted through intervention practice, or the science of translation and dissemination; or for students pursuing non-academic careers related to public health, policy, service delivery, cost effectiveness or cost-benefit program evaluation. The CTS dual-title complements the expertise students in HDFS acquire in individual development across the lifespan, contextual processes that influence individual development (communities, schools, families, workplace) and may be a target for intervention, a context for providing an intervention, or a potential impediment to effective service delivery of an intervention.

#### Admission Requirements

Students must apply and be admitted to the graduate program in HDFS and the Graduate School before they can be admitted to a dual-title degree program. Applicants interested in the dual-title degree program may note their interest in their applications to HDFS. Students admitted to the HDFS program will be admitted to the dual-title program in Clinical and Translational Sciences upon the recommendation of a faculty member affiliated with the dual-title. Refer to the Admission Requirements section of the CTS Bulletin page (http://bulletins.psu.edu/graduate/programs/majors/clinical-translational-sciences). Students must apply and be admitted to the dual-title degree program prior to taking the qualifying exam.

#### Degree Requirements

To qualify for the dual-title degree, students must satisfy the requirements of the Ph.D. in HDFS. In addition, students pursuing the dual-title Ph.D. in HDFS and Clinical and Translational Sciences must complete the degree requirements for the dual-title Clinical and Translational Sciences Ph.D., listed on the Clinical and Translational Sciences Bulletin page (http://bulletins.psu.edu/graduate/programs/majors/clinical-translational-sciences).

Students’ Qualifying Examination committee for the dual-title degree must fulfill composition requirements for HDFS, and at least one of the committee members must hold Graduate Faculty status in Clinical and Translational Sciences. Faculty members who hold appointments in both programs’ Graduate Faculty may serve in a combined role. There will be a single qualifying examination, containing elements of both HDFS and Clinical and Translational Sciences. Dual-title graduate degree students may require an additional semester to fulfill requirements for both areas of study and, therefore, the qualifying examination may be delayed one semester beyond the normal period allowable.

In addition to the general Graduate Council requirements for dissertation committees (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-600/phd-dissertation-committee-formation), the Doctoral Committee of a dual-title doctoral degree student must either be chaired by a faculty member holding appointments in both HDFS and Clinical and Translational Sciences, or be co-chaired by two faculty members who each represent one discipline. The Doctoral Committee will oversee the Comprehensive Exam, which must meet the requirements established in the HDFS department, as well as requires the demonstration of expertise in an area deemed relevant to Clinical and Translational Sciences by the Committee chair or co-chair.

Ph.D. candidates must complete a dissertation on a topic that reflects their original research on a topic approved by the CTS program; specifically, one that “translates biomedical discovery into applications with the goal of improving human health”. Upon completion of the doctoral dissertation, the candidate must pass a final oral examination (the dissertation defense) to earn the Ph.D. degree. The dissertation must be accepted by the dissertation committee, the head of the graduate program, and the Graduate School.

#### Dual-Title M.S. and Ph.D. in Human Development and Family Studies and Demography

Requirements listed here are in addition to requirements listed in GCAC-208 Dual-Title Graduate Degree Programs (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-208-dual-title-graduate-degree-programs).

This program is designed for students who want to integrate Population Studies (including such foci as fertility, marriage, cohabitation, labor force participation, mortality) with the study of human development and family studies.

<table>
<thead>
<tr>
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<tr>
<td>HDFS 525</td>
<td>Introduction to Family Studies</td>
<td>3</td>
</tr>
<tr>
<td>HDFS 596</td>
<td>Individual Studies (Professional Development Orientation)</td>
<td>1</td>
</tr>
<tr>
<td>HDFS 515</td>
<td>Professional Issues in Human Development and Family Studies</td>
<td>1.5</td>
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</tbody>
</table>

#### Research Methods

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<tr>
<td>HDFS 523</td>
<td>Strategies for Data Analysis in Developmental Research</td>
<td>3</td>
</tr>
<tr>
<td>HDFS 526</td>
<td>Measurement in Human Development</td>
<td>3</td>
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</table>

#### Electives

A minimum of 6 additional credits in methodology

1. Must be taken in the first year.
2. Must be taken by the end of the second year in the program.
3. These 12 credits must be in addition to the 6 additional credits in methodology and cannot be double-counted towards that requirement.
Admission Requirements
Students must apply and be admitted to the graduate program in HDFS and the Graduate School before they can be admitted to a dual-title degree program. Applicants interested in the dual-title degree program may note their interest in their applications to HDFS. Students admitted to the HDFS program will be admitted to the dual-title program in Demography upon the recommendation of a Demography Program faculty member in HDFS. Ph.D. students must apply and be admitted to the dual-title degree program in Demography prior to taking the qualifying exam.

Additional admissions requirements are listed in the Admissions Requirements section of the Demography Bulletin page (http://bulletins.psu.edu/graduate/programs/majors/demography).

Degree Requirements
To qualify for the dual-title degree, students must satisfy the requirements of the Ph.D. in HDFS. In addition, students pursuing the dual-title Ph.D. in HDFS and Demography must complete the degree requirements for the dual-title Demography Ph.D., listed on the Demography Bulletin page (http://bulletins.psu.edu/graduate/programs/majors/demography).

The qualifying examination committee for the dual-title degree will be composed of Graduate Faculty from HDFS and must include at least one Graduate Faculty member from Demography. Faculty members who hold appointments in both programs’ Graduate Faculty may serve in a combined role. There will be a single qualifying examination, containing elements of both HDFS and Demography. Dual-title graduate degree students may require an additional semester to fulfill requirements for both areas of study and, therefore, the qualifying examination may be delayed one semester beyond the normal period allowable.

In addition to the general Graduate Council requirements for dissertation committees (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-600/phd-dissertation-committee-formation), the chair and at least one additional member of the student’s dissertation committee must be members of the Graduate Faculty in Demography. Faculty members who hold appointments in both programs’ Graduate Faculty may serve in a combined role. The Demography faculty members on the student’s committee are responsible for administering an examination in demography that constitutes a portion of the comprehensive examination of the doctoral student in the dual-title.

Ph.D. candidates must complete a dissertation on a topic that reflects their original research and education in both HDFS and Demography. In order to earn the dual-title Ph.D. degree, the dissertation must be accepted by the dissertation committee, the head of the graduate program, and the student must pass a final oral examination (the dissertation defense).

Dual-Title Ph.D. in Human Development and Family Studies and Social Data Analytics
Requirements listed here are in addition to requirements listed in GCAC-208 Dual-Title Graduate Degree Programs (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-208-dual-title-graduate-degree-programs).

HDFS doctoral students interested in having a degree that reflects interdisciplinary training in an array of tools, techniques, and methodologies for social data analytics, while maintaining a close association with HDFS, may apply to pursue a dual-title Ph.D. in HDFS and Social Data Analytics.

Social data analytics is the integration of social scientific, computational, informational, statistical, and visual analytic approaches to the analysis of large or complex data that arise from human interaction. The dual-title Ph.D. program provides additional training with the aim of providing scientists with the skills required to expand the field of social data analytics, creatively answer important social scientific questions, and communicate effectively with both academic and nonacademic audiences.

Admission Requirements
Students must apply and be admitted to the graduate program in HDFS and the Graduate School before they can be admitted to a dual-title degree program. Applicants interested in the dual-title degree program may note their interest in their applications to HDFS. Students admitted to the HDFS program will be admitted to the dual-title program in Social Data Analytics upon the recommendation of a Social Data Analytics Program faculty member in HDFS. Students must apply and be admitted to the dual-title degree program in Social Data Analytics prior to taking the qualifying exam.

Additional admissions requirements are listed in the Admission Requirements section of the Social Data Analytics Bulletin page (http://bulletins.psu.edu/graduate/programs/majors/social-data-analytics).

Degree Requirements
To qualify for the dual-title degree, students must satisfy the requirements of the Ph.D. in HDFS. In addition, students pursuing the dual-title Ph.D. in HDFS and Social Data Analytics must complete the degree requirements for the dual-title Social Data Analytics Ph.D., listed on the Social Data Analytics Bulletin page (http://bulletins.psu.edu/graduate/programs/majors/social-data-analytics).

The qualifying examination committee for the dual-title degree will be composed of Graduate Faculty from HDFS and must include at least one Graduate Faculty member from Social Data Analytics. Faculty members who hold appointments in both programs’ Graduate Faculty may serve in a combined role. There will be a single qualifying examination, containing elements of both HDFS and Social Data Analytics. Dual-title graduate degree students may require an additional semester to fulfill requirements for both areas of study and, therefore, the qualifying examination may be delayed one semester beyond the normal period allowable.

In addition to the general Graduate Council requirements for dissertation committees (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-600/phd-dissertation-committee-formation), the dissertation committee of a dual-title doctoral degree student must include at least one member of the Social Data Analytics Graduate Faculty. Faculty members who hold appointments in both programs’ Graduate Faculty may serve in a combined role. If the chair of the committee representing HDFS is not also a member of the Graduate Faculty in Social Data Analytics, the member of the committee representing Social Data Analytics must be appointed as co-chair. The Social Data Analytics representative on the student’s dissertation committee will develop questions for and participate in the evaluation of the comprehensive examination.

Ph.D. candidates must complete a dissertation on a topic that reflects their original research and education in both HDFS and Social Data Analytics. In order to earn the dual-title Ph.D. degree, the dissertation must be accepted by the dissertation committee, the head of the
graduate program, and the Graduate School, and the student must pass a
final oral examination (the dissertation defense).

Student Aid
Graduate assistantships available to students in this program and other
forms of student aid are described in the Tuition & Funding (http://
gradschool.psu.edu/graduate-funding) section of The Graduate School’s
website. Students on graduate assistantships must adhere to the course
load limits (http://gradschool.psu.edu/graduate-education-policies/
gsad/gsad-500/gsad-501-credit-loads-graduate-assistants) set by The
Graduate School.

Courses
Graduate courses carry numbers from 500 to 699 and 800 to 899.
Advanced undergraduate courses numbered between 400 and 499 may
be used to meet some graduate degree requirements when taken by
graduate students. Courses below the 400 level may not. A graduate
student may register for or audit these courses in order to make up
deficiencies or to fill in gaps in previous education but not to meet
requirements for an advanced degree.

Human Development and Family Studies (HDFS) Course List (https://
bulletins.psu.edu/university-course-descriptions/graduate/hdfs)

Learning Outcomes
1. **Know.** Graduates will demonstrate an understanding of core theories
   and methods related to lifespan development, family process, and
   prevention science.
2. **Know, Apply/Create.** Graduates will demonstrate skills in statistics
   and research methods with an emphasis on selecting and applying
   methods in conjunction with theory specific to their area of study.
3. **Know, Think, Communicate.** Graduates will demonstrate a mastery
   of the literature in their research area and an ability to integrate and
   communicate knowledge across at least 2 core department areas.
4. **Communicate.** Graduates will communicate, in both written and oral
   formats, the importance and relevance of a research topic as well as
   the implications research results have for the field.
5. **Apply/Create, Think, Communicate.** Graduates will demonstrate the
   ability to develop independent research questions to be addressed
   empirically, conduct the empirical analyses, and convey findings in a
   manner suitable for dissemination to the field.
6. **Professional Practice, Think.** Graduates will comply with standard
   ethical regulations regarding the conduct of research, knowledge of
   ethical guidelines regarding the analysis and publication of scientific
   research.

Contact
<table>
<thead>
<tr>
<th>Campus</th>
<th>University Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Program Head</td>
<td>Douglas Michael Teti</td>
</tr>
<tr>
<td>Director of Graduate Studies (DGS) or Professor-in-Charge (PIC)</td>
<td>Lisa Michelle Kopp</td>
</tr>
<tr>
<td>Program Contact</td>
<td>Christa Sherie Kreps</td>
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<tr>
<td></td>
<td>115 HHD Bldg</td>
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<tr>
<td></td>
<td>University Park PA 16802</td>
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<tr>
<td></td>
<td><a href="mailto:csh5007@psu.edu">csh5007@psu.edu</a></td>
</tr>
<tr>
<td></td>
<td>(814) 863-8001</td>
</tr>
<tr>
<td>Program Website</td>
<td>View (<a href="http://www.hhdev.psu.edu/hdfs">http://www.hhdev.psu.edu/hdfs</a>)</td>
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