

# Developmental Science

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## Program and Application Information

<b>Department Head:</b>	Dr. Joel Hektner
<b>Graduate Coordinator:</b>	Dr. Elizabeth Blodgett Salafia
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<b>Department Location:</b>	Evelyn Morrow Lebedeff Hall
<b>Department Phone:</b>	(701) 231-8268
<b>Department Web Site:</b>	<a href="http://www.ndsu.edu/hdfs/academic_programs_admission/graduate/ds/">www.ndsu.edu/hdfs/academic_programs_admission/graduate/ds/</a>
<b>Application Deadline:</b>	February 1
<b>Degrees Offered:</b>	Ph.D.
<b>Test Requirement:</b>	GRE-General
<b>English Proficiency Requirements:</b>	TOEFL ibT 100 (subscores of at least 24 for speaking and 21 for writing); IELTS 7

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## Program Description

Developmental Science is an emerging approach to the study of human development that combines elements of more traditional approaches from the fields of Developmental Psychology and Human Development. Developmental Science entails the study of human development across the lifespan, integrating the biological, cognitive, and socioemotional underpinnings of development, and incorporating the familial, social, institutional and cultural contexts in which development occurs.

## Admission Requirements

- Cumulative GPA of 3.0 or higher
- GRE

For those entering with a Master's degree:

- Master's degree from accredited educational institution in child development, developmental psychology, human development, developmental science, or related area
- At least one course in statistics and one course in research methods, with a grade of B or higher
- Completion of an empirical Master's thesis

For those entering with a Bachelor's degree:

- Bachelor's degree from accredited educational institution in child development, developmental psychology, human development, developmental science, or related area
- Statement of purpose should be 500 words or less and address the following:
  - How your interest in this field developed
  - Why you chose our program at NDSU
  - The experiences you have had (e.g. informal, academic, employment, volunteer) that you see as related to this graduate program or your professional goals
  - What your research interests are and how they might fit with the current research emphases in the department. If you have questions about this, the HDFS faculty research interests are described on the HDFS website (<http://www.ndsu.edu/hdfs>) .
  - What your professional goals are and how this graduate program will help you accomplish your professional goals
- Curriculum vitae or resume
- Thesis or writing sample
- For non-native English speakers, TOEFL ibT score of at least 100 or IELTS score of at least 7
- Subscores on the TOEFL ibT are at least 24 for speaking and 21 for writing

## Financial Assistance

All admitted students are awarded graduate assistantships, which provide a full tuition waiver plus a stipend.

## Curriculum for students entering with a Bachelor's degree (90 credits total)

- Students earn a Master's degree after completing 30 credits, including the master's thesis and master's oral examination.

- All courses 3 credits unless otherwise noted.

<b>Didactic Core Courses</b>		<b>24</b>
HDFS 703	Research Methods in Human Development and Family Science	
HDFS 705	Quantitative Methods in Developmental Science	
HDFS 802	Teaching Developmental Science	
HDFS 812	Advanced Human Development: Birth Through Childhood	
HDFS 814	Advanced Human Development: Adolescence Through Early Adulthood	
HDFS 816	Advanced Human Development III: Middle through Late Adulthood	
HDFS 854	Advanced Quantitative Methods in Developmental Science	
HDFS 856	Longitudinal Research Methods and Analysis	
<b>Electives</b>		<b>13</b>
Must include 6 credits in didactic 700 or 800-level courses in HDFS or other departments, including at least one course from:		
HDFS 824	Advanced Topics in Socioemotional Development	
HDFS 825	Advanced Topics in Cognitive Development	
<b>Non-didactic Courses</b>		<b>10</b>
HDFS 801	Graduate Orientation Seminar (1 credit)	
HDFS 805	Professional Development in Developmental Science (1 credit)	
HDFS 790	Graduate Seminar (to be taken 8 semesters 1 credit each)	
<b>Independent Research</b>		<b>43</b>
HDFS 793	Individual Study/Tutorial (22 credits)	
HDFS 798	Master's Thesis (6 credits)	
HDFS 899	Doctoral Dissertation (15 credits)	
<b>Total Credits</b>		<b>90</b>

## Curriculum for students entering with a Master's degree (60 credits total)

- Students may follow this track only if their Master's degree and thesis was approved by the Developmental Science Committee upon admission.
- Additional coursework may be necessary to compensate for courses not taken.
- All courses 3 credits unless otherwise noted.

<b>Didactic Courses</b>		<b>18</b>
HDFS 802	Teaching Developmental Science	
HDFS 812	Advanced Human Development: Birth Through Childhood	
HDFS 814	Advanced Human Development: Adolescence Through Early Adulthood	
HDFS 816	Advanced Human Development III: Middle through Late Adulthood	
HDFS 854	Advanced Quantitative Methods in Developmental Science	
HDFS 856	Longitudinal Research Methods and Analysis	
Four more didactic 700-level courses; could be outside of HDFS (to be approved by committee)		
<b>Electives--must include at least one course from:</b>		<b>6</b>
HDFS 824	Advanced Topics in Socioemotional Development	
HDFS 825	Advanced Topics in Cognitive Development	
700-level course in HDFS or other department		
<b>Non-didactic Courses</b>		
HDFS 801	Graduate Orientation Seminar	1
HDFS 805	Professional Development in Developmental Science	1
HDFS 790	Graduate Seminar (to be taken 5 semesters (1 credit each))	5
<b>Independent Research</b>		
HDFS 793	Individual Study/Tutorial	14
HDFS 899	Doctoral Dissertation	15
<b>Total Credits</b>		<b>60</b>

## Other Requirements

- Teach one undergraduate course, with supervision (as part of assistantship or for course credit in HDFS 794 Practicum/Internship). Must have first taken HDFS 802 Teaching Developmental Science.
- Submit at least four proposal/abstracts for presentations or posters at national conferences, including as a co-presenter (2 submissions if enter with MS)
- Present (in person) at least twice at national conferences (once if enter with MS), unless a waiver is granted by the student's committee.
- Submit at least two peer-reviewed articles for publication (including as co-author). Note: Although these presentation and publication requirements do not carry course credit per se, they are projects that would be worked on as part of HDFS 793 Individual Study/Tutorial, and/or HDFS 899 Doctoral Dissertation.
- Qualifying examination
- Dissertation

## Core Faculty

### Sean Brotherson, Ph.D.

Oregon State University, 2000

Research Interests: Parenting and Fatherhood; Healthy Marriages; Family Stress; Rural Families; Grief and Bereavement; Family Life Education; Family Policy

### James E. Deal, Ph.D.

University of Georgia, 1987

Research Interests: Personality Development in Children; Relationship Between Individual Development and Family Relationships

### Margaret Fitzgerald, Ph.D.

Iowa State University, 1997

Research Interests: Financial Counseling and Planning; Husbands and Wives Who Own and Operate Family Businesses Together; Family Business and Economically Vulnerable/Viable Communities; Gender and Management Issues In Family Business

### Heather Fuller-Iglesias, Ph.D.

University of Michigan, 2009

Research Interests: Social Relationships Across the Lifespan (E.G. Intergenerational Relationships); Psychological Well-Being in Old Age; Culture and Aging; Migration, Transnationalism and Acculturation; Biculturalism

### Joel Hektner, Ph.D.

University of Chicago, 1996

Research Interests: Aggressive Children; Research Methods; Prevention Programs For High-Risk Aggressive Children; Peer Affiliation Patterns and Peer Influences on Children's Behaviors; Family and School Conditions That Facilitate Optimal Experiences (Flow) and Optimal Development; The Experience Sampling Method

### Melissa Lunsman O'Connor, Ph.D.

University of South Florida, 2010

Research Interests: Cognitive and Functional Aging in Healthy and Clinical Populations; Older Drivers; Research Methods; Attitudes toward Dementia

### Brandy A. Randall, Ph.D.

University of Nebraska-Lincoln, 2002

Research Interests: Relational and Contextual Influences on Adolescents' and Young Adults' Positive and Problem Behaviors

### Elizabeth Blodgett Salafia, Ph.D.

University of Notre Dame, 2008

Research Interests: Family and Peer Influences on Adolescents' Disordered Eating Attitudes and Behaviors

### Rebecca Woods, Ph.D.

Texas A&M University, 2006

Research Interests: Perception and Cognition In Infancy; Object Processing; Multimodal Processing; Early Gender Differences

## Affiliated Faculty with in HDFS

### Kristen Benson, Ph.D.

Virginia Polytechnical Institute and State University, 2008

Research Interests: Gender Identity and Family/Partner Relationships, Diversity Issues in Family Therapy, Collaborative Approaches to Family Therapy Education and Training, and Qualitative Methodology

### Christie McGeorge, Ph.D.

University of Minnesota, 2005

Research Interests: Heterosexism and Homophobia; Single Parenting; Women's History; Gender Socialization From a Feminist Perspective

**Thomas Stone Carlson, Ph.D.**

Iowa State University, 2000

Research Interests: Narrative Pedagogy; Relational Accountability Approach to Couples Therapy, LGBT Affirmative Therapy Competence Among Therapists, and Influence of Spirituality on Clinical Practice and Training

## **Affiliated Faculty outside of HDFFS**

**Ben Balas, Ph.D.,**

Psychology

**Ardith Brunt, Ph.D.,**

Health, Nutrition and Exercise Science

**Ann Burnett, Ph.D.,**

Women's Studies

**Erin Conwell, Ph.D.,**

Psychology

**Donna Grandbois, Ph.D.,**

Nursing

**Daniel Klenow, Ph.D.,**

Emergency Management

**Linda Langley, Ph.D.,**

Psychology

**Susan Ray-Degges, Ph.D.,**

Apparel, Design and Hospitality Management

**Larry Reynolds, Ph.D.,**

Animal Sciences

**Greg Sanders, Ph.D.,**

Human Development & Education

**Molly Secor-Turner, Ph.D.,**

Nursing

**Kevin Thompson, Ph.D.,**

Criminal Justice and Political Science

**Wendy Troop-Gordon, Ph.D.,**

Psychology

**Kim Vonnahme, Ph.D.,**

Animal Sciences

**Rachelle Vettern, Ph.D.,**

Center for 4-H Youth Development