HUMAN DEVELOPMENT 
AND QUANTITATIVE 
METHODOLOGY

College of Education
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education.umd.edu/HDQM (http://www.education.umd.edu/HDQM/)

The core mission of the Department of Human Development and 
Quantitative Methodology (HDQM) is to advance knowledge and practice 
through teaching and research related to human development and 
learning, and to quantitative methodologies critical to measurement, 
statistics, and evaluation in the educational, behavioral, and social 
sciences.

Our programs offer exciting courses on topics such as how children learn, 
prosocial behavior and moral development, socio-cultural contexts of 
development, educational neuroscience, and sophisticated approaches to 
data analysis.

Programs

Major

• Early Childhood/Early Childhood Special Education Major (https://
  academiccatalog.umd.edu/undergraduate/colleges-schools/
education/human-development-quantitative-methodology/early-
childhood-special-education-major/)

• Human Development Major (https://academiccatalog.umd.edu/
  undergraduate/colleges-schools/education/human-development-
quantitative-methodology/human-development-major/)

Minor

• Human Development Minor (https://academiccatalog.umd.edu/
  undergraduate/colleges-schools/education/human-development-
quantitative-methodology/human-development-minor/)

For Advanced Undergraduates

Measurement, Statistics and Evaluation in the College of Education offers 
a 5th Year M.A. program for undergraduates interested in quantitative 
methods. The purpose of this program is to allow highly motivated 
undergraduates the opportunity to develop their skills in quantitative 
methods. Students complete a B.A. (or B.S.) in their chosen major area 
along with a M.A. in Measurement, Statistics and Evaluation in just five 
years. Courses offered by this unit may be found under the following 
acronym: EDMS.

Advising

Advising is mandatory for all undergraduate students desiring 
acceptance into the Early Childhood/Early Childhood Special 
Education Teacher Education Program. Advising is also mandatory for 
undergraduate students pursuing the Human Development major. For 
more information or to schedule an advising appointment, contact the 
Office of Student Services at 301-405-2364.

Opportunities

Undergraduate Research Experiences

There are a variety of opportunities for undergraduate students to 
participate in research in Human Development. Faculty’s research 
focuses on a wide number of topics pertaining to human development 
and learning.

Fieldwork Opportunities

An integral component of the Early Childhood/Early Childhood Special 
Education program at the University of Maryland is a series of field 
placements (N=5) of increasing complexity/responsibility that serve to 
complement university coursework. Field placements contribute to the 
programmatic mission of preparing knowledgeable, skilled and reflective 
practitioners who base their practice on theory, research, and pedagogy 
appropriate for the developing child. Interns observe, interact and teach 
children ages 0 (6 weeks per child care licensing) to 8 in authentic 
settings.

The first of these field placements typically occurs in the sophomore year 
(and occasionally during spring of the freshman year) and is associated 
with a course entitled EDHHD220, Exploring Teaching in Early Childhood/
Early Childhood Special Education. Early childhood/Early Childhood 
Special Education candidates experience a semester-long practicum (one 
half day per week) with both preschool and school age children.

During fall of the junior year, the practicum is linked to EDSP420 Human 
Candidates complete selected observations of infants in child care 
centers, family childcare centers and community-based institutions 
that care for infants. These observations are followed by an eight-week 
placement in a child care setting in which candidates observe and 
interact with toddlers. The culminating field placement begins in 
the spring semester of the junior year. Candidates experience a semester-
long placement with three, four or five year olds in a Head Start or pre-
kindergarten classroom. The candidates spend six hours per week in the 
classroom plus a full week of half days.

Internships

The capstone experience for the program is a yearlong internship in 
a public Professional Development School (PDS), which is a Title I 
school with large populations of students of color, English Language 
Learners and those who receive free and reduced meals. The internship is 
divided into two phases, approximately 110 days over the course of two 
consecutive semesters. For more details, contact the Early Childhood/
Early Childhood Special Education program advisor at 301-405-2364.

Honors Program

Human Development offers two University Honors seminars:

  • HONR219Y: Merging the Multiple Me’s: The Developmental Origins of 
    the Integrated Young Adult Self
  • HONR228R: Parenting and Poverty: The Effects of Growing Up Poor 
    on Children’s Development

Scholarships and Financial Assistance

The department offers the Marie Davidson scholarship to two 
undergraduate EC/ECSE majors each year. The department of 
Counseling, Higher Education and Special Education offers the Abbey 
scholarship to one undergraduate in EC/ECSE each year. In addition,
the College of Education offers a number of other scholarships. Please visit www.education.umd.edu/studentinfo/scholarships.html (http://www.education.umd.edu/studentinfo/scholarships.html) for more information.

The Office of Student Financial Aid (OSFA) administers all types of federal, state and institutional financial assistance programs and, in cooperation with other university offices, participates in the awarding of scholarships to deserving students. For information, visit: www.financialaid.umd.edu (http://www.financialaid.umd.edu).

**Awards and Recognition**

Early Childhood/Early Childhood Special Education majors are eligible for the Ordwein Scholarship, the Abbey Scholarship and the Marie Davidson Award. Information is available in the Office of Student Services, Room 1204 Benjamin.

**ACADEMIC PROGRAMS AND DEPARTMENTAL FACILITIES**

Human Development houses the Center for Children, Relationships and Culture, which provides research opportunities for undergraduate students. Faculty in Human Development often provide undergraduates with research experiences in their individual laboratories.

The Center for Young Children provides developmentally appropriate education and care for children aged three through kindergarten. The Center provides research opportunities that involve observing children in their classrooms as part of course requirements in various EDHD undergraduate courses.

The Center for Early Childhood Education and Intervention (CECEI) conducts high-quality research on early childhood education and early intervention programs in order to inform state and federal policy. translate research into scalable education programs and best practices, build capacity in schools and communities, and promote family engagement in their children's education. CECEI offers varied research opportunities for undergraduates. To apply, please submit a cover letter, unofficial transcript, resume, and writing sample to cecei@umd.edu