

Stephen J. Laut, S.J., Honors Program

Director: John Whitehead

The Stephen J. Laut, S.J., Honors Program is intended for students with a record of exceptional academic achievement and the desire to participate in a program of greater academic challenge. The aim of the program is to give talented and motivated students the encouragement for intellectual exploration in the company of fellow Laut Scholars. In the context of a comprehensive liberal arts college, the role of the honors program is to introduce students to aspects of the arts and sciences that are not available in the regular curriculum. Awakening curiosity and offering new experiences are central to its purpose. Students who successfully complete honors requirements are recognized at graduation and receive a diploma attesting to this distinction.

Requirements

1. Students fulfill requirements as indicated by core and major.
2. Freshmen honor students participate in a two-credit seminar that introduces them to the Laut Honors Program and its mission through a guided project. All upperclass honor students take a 3 credit seminar. These seminars, arranged in a flexible curriculum, are designed to be interdisciplinary, multimedia and project-oriented.
3. Each of the honors seminars is guided by a faculty member who provides for speakers, readings and special trips. Seminars meet once biweekly and are graded Cr/NCr. A Laut scholar in good standing has met the attendance and participation requirements of the Honors Seminar. Though the seminars are graded Cr/NCr, Laut Scholars must maintain a minimum cumulative grade point average of 3.3. Students with deficient grades may petition for a probation year. Students are also expected to preregister for seminars and to maintain an uninterrupted registration in the Honors Program.

Admission

All students who participate in the Laut Competitive Scholarship are automatically asked to seek admission in the Honors Program. Interested first year students who did not participate in the Competitive Scholarship, but who meet the criteria of that scholarship competition, are also welcome to submit an application. At the end of the first year, Laut Scholars must have a minimum of a 3.3 and submit an application to join the Laut Honors Program. Students with at least a 3.0 may petition to participate in the program on probation. Interested sophomore students who were not part of the first-year Laut program but who at the end of their freshman year have earned a 3.3 may also apply to join the program. All applications are due in the beginning of the second year and are available from the program director.

Liberal Studies

Contact Persons: Connie Myer, M.A.
Chelsey J. Stephens, M.A.
Kim Riddell, Ph.D.

The Liberal Studies in Elementary Education (LSEE) degree is part of the Professional Education Department (PED). Students in this major complete a concentration in elementary education that leads to certification to teach K-6 Multi-subjects in the state of West Virginia. Work in the LSEE major emphasizes the integration of knowledge in three areas: content, pedagogy and technology. In order to accomplish this integration, courses require that students develop and apply their ability to think critically and solve problems in both college and elementary classrooms through activities that involve connecting current pedagogical theory to actual classroom practice.

Because the LSEE major includes a combination of core classes, general PED classes and content methods classes, students should complete a four-year plan with a PED advisor during the freshman year. In order to complete program requirements within eight semesters, students must maintain sixteen to eighteen credit hours per semester beginning with the freshman year. The option exists for LSEE candidates to add a Special Education endorsement to their initial certification in elementary education. General guidelines and course descriptions for the professional education and special education components are outlined in the Professional Education Program section of the catalogue.

After consulting a PED/TPP advisor as soon as possible in the freshman year, students should enroll in PED 231 during the fall semester of the sophomore year. Formal application to the program is made in the second semester of the sophomore year during enrollment in PED 232. Applicants must possess and subsequently maintain a minimum GPA of 2.5 overall. Additional program requirements include a 3.0 minimum GPA in the major (LSEE) and psychology courses. In order to obtain teacher certification, students must successfully complete all required Praxis Series testing through the Educational Testing Service (ETS). All LSEE students must pass the Pre-Professional Skills Test with West Virginia minimums to be permitted to register for 300 through 400 level PED courses.

Most PED courses include a field experience in local schools as an integral component. When scheduling classes, students should consider this requirement and allocate an appropriate block of time.

Requirements for the Liberal Studies Major with an Elementary Education Concentration:

A distribution of courses beyond the WJU core curriculum that includes:

MAT electives beyond 096 (9 total credits)

HIS 211 or 212

HIS 214

POS 110

GSC 110 and 120

Elementary Education Concentration:

| | | | |
|------------|------------|-------------|---------|
| PSY 214 | PED 232C/F | PED 325 | PED 375 |
| PSY 220 | PED 316 | PED 327 | PED 441 |
| PED 210 | PED 322C/F | PED 333C/F | PED 473 |
| PED 223 | PED 323 | PED 334 C/F | PED 475 |
| PED 231C/F | PED 324C/F | PED 341 C/F | PED 481 |

Sequence of Coursework

Freshman Year

During the first year students take core classes from the list below, most of which may be taken in either the fall or the spring of the freshman year. Core courses not taken during the first year may be taken as students' schedules permit in the sophomore, junior and senior years.

ENG 105/110
LIT 250
FYS 101
HIST 110 and 120
INS 111
MAT 096, 102, + 3 additional credits
MOL (6) 101/102 (111 with departmental approval)
PED 323 & 327 to fulfill FA requirement
PHI 105 and 205
PSY 110
RST 106/107
RST/PHI 305 (Ethics)
SCIENCE 6 credits from two different fields of science

Sophomore Year

Fall

PED 210
PED 231C/F
PSY 214
GSC 110
HIST 214
POS 110

Spring

PED 223
PED 232C/F
PSY 220
GSC 120
HIS 211 or 212

Junior Year

Fall

PED 316
PED 322 C/F
PED 324C/F

PED 334C/F
PED 327
PED 332C/F

Spring

PED 323
PED 325
PED 333C/F
(4 credits of F)
PED 341C/F

Senior Year

PED 473
PED 475
PED 476
PED 441C/F
PED 481

In the junior and senior years, students may complete any remaining core or PED requirements. All courses required during the senior year may be taken either in the fall or spring depending on when the student wishes to complete student teaching. Student teaching requires that students spend a full day at a school site for 14 weeks (seven weeks in a lower grade (K-3) and seven weeks in an upper grade (4-6). Additional courses, participation in athletics and employment are strongly discouraged during this semester.

LSEE Course Descriptions

PED 223 Integrated Curriculum Development & Methods: Physical Education, Health and Safety (2 cr. / Spring only)

Experiential examination of physical and emotional fitness, contemporary health issues and the integration of physical education, health and safety in multi-subject K-6 classrooms.

PED/TPP 231C / PED/TPP 231F Professional Education I: Schools and Communities (1 cr. each/total 2 cr. / Fall only)

Introduction to teaching as a profession with an emphasis on exploring various perspectives on education through classroom discussions, case studies and group projects. A survey of aspects of planning, implementing and assessing instruction that will be enhanced in PED 232 and PED 334. Also addressed are issues related to student diversity, learning styles, multiculturalism and multiple intelligences. The field component involves tutoring and/or leading activities at a local after-school program for at-risk children.

PED/TPP 232C / PED/TPP 232F Professional Education II: Classroom and Teacher Roles (2 cr. C/ 1 cr. F: total 3 cr. / Spring only)

Study of teaching focusing on classroom pedagogical and management strategies, development of objectives and lesson plans, and discussion and of the various roles of a teacher. The field component involves observation and teaching experience under the guidance of a K-12 cooperating teacher. Focus on reflections related to planning, pacing and teaching strategies. Prerequisite: PED/TPP 231 and sophomore standing. Co-requisites: PED/TPP 232C and PED/TPP 232F.

PED/TPP 316 Grammar (2 cr./Fall only)

Study of grammar and instructional strategies for teaching the conventions of language. Focus on integrating the teaching of grammar in the context of literacy activities. Students will analyze their own writing, teach mini-lessons, workshop papers and develop/analyze a writing task for K-5 students. Required of all K-6 LSEE majors and English license applicants. Prerequisite: LIT 120.

PED 322C Teaching Reading in the Elementary School (3 cr. / fall only)

This course will examine current theory and practice in the development and instruction of literacy of students at the elementary grade level. Students will become familiar with research-based strategies and techniques for the instruction of reading, writing, listening, and oral language development within a balanced literacy framework. Students will become knowledgeable about Content Standards and Objectives, become acquainted with a wide range of children's literature, and instructional materials as well as the processes of assessing, planning, and implementing instruction within a literacy rich environment in order to address a broad range of student abilities and needs. Co-requisite: PED 322F

PED 322F Teaching Reading in the Elementary School (1 cr. / fall only)

Observation and teaching experience under the guidance of an experienced cooperating teacher and university supervisor in which students apply concepts and strategies from their professional methods course in a variety of school settings and grade levels. Co-requisite: PED 322C/F, PED 324C, PED 334 C/F

PED 324C/F Integrated Curriculum Development and Methods: Mathematics & Science (1 cr. / fall only)

Observation and teaching experience under the guidance of the master teacher and university supervisor in which students apply concepts and strategies from their professional methods course in a variety of school settings and grade levels. Co-requisite: PED 322C/F, PED 324 C, PED 334 C/F

PED/TPP 334C/F The Practice of Teaching: Reading in the Content Areas (2 cr. C/ 1 cr. F: total 3/Fall only)

Systematic introduction to current theory, research and practice in the integration of literacy activities across content areas. Prerequisite: PED/TPP 232. Co-requisites: PED/TPP 322C/F, PED/TPP 334F and PED 324 C/F

PED 341C Integrated Curriculum Development and Methods: Language Arts & Social Studies (3 cr. / Spring only)

Methods and materials to prepare students for the teaching of elementary social studies with an emphasis on planning, implementation, and evaluation of integrative experiences with both reading and writing. Co-requisite: PED 341F

PED 341F Integrated Curriculum Development and Methods: Language Arts & Social Studies (1 cr. / Spring only)

Observation and teaching experience under the guidance of the cooperating teacher and university supervisor in which students apply concepts and strategies from their professional methods course in a variety of school settings and grade levels. Co-requisite: PED 341C

Mathematics

Contact Persons: *Marc Brodie, Ph.D.*

Theodore Erickson, Ph.D.

Onkar Pandit, Ph.D.

The essence of orderliness, form and elegance, mathematics is a basic tool for many disciplines and careers. The mathematics curriculum is designed to provide the student with a strong mathematics background enhanced by technological tools, such as the graphing calculator and symbolic algebra software. It also is flexible enough to accommodate the diverse interests of mathematics majors, including those preparing for graduate work, those preparing to become an actuary and those seeking to teach on the elementary or secondary level.

Upon completion of the Mathematics program, students will be able to:

1. Comprehend and simplify mathematical expressions.
2. Build or solve mathematical models.
3. Prove or disprove a theory with logical steps.
4. Understand and use modern technology in mathematics.
5. Pursue high level mathematical theory.

Core Fulfilling Courses

Mathematics Requirement I course

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|---------|------------------------------|---------|
| CSC 110 | Computer Science I | (4 crs) |
| MAT 102 | Math in Society | (3 crs) |
| MAT 105 | Introduction to Statistics I | (3 crs) |
| MAT 108 | Pre-Calculus | (3 crs) |
| MAT 111 | Calculus I | (4 crs) |

(A student with advanced placement may substitute a higher level MAT or CSC course to fulfill the core requirement.)

Requirements for Mathematics Major

Bachelor of Science Degree

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|---------|------------------------|---------|
| MAT 111 | Calculus I | (4 crs) |
| MAT 112 | Calculus II | (4 crs) |
| MAT 211 | Calculus III | (4 crs) |
| MAT 235 | Discrete Math | (4 crs) |
| MAT 212 | Differential Equations | (4 crs) |
| MAT 240 | Linear Algebra | (4 crs) |
| MAT 382 | Junior Seminar | (2 crs) |

Upper-Level Requirements:

Three courses from MAT 351, MAT 352, MAT 411, MAT 413 (9 crs)

Upper-Level Electives:

Four courses from MAT 204 and MAT 300 and above (one may be taken from CSC and PHY) (12 crs)

MAT 482 Senior Seminar (2 crs)

(49 crs)

