

Fiscal Unit/Academic Org	Mathematics - D0671
Administering College/Academic Group	Arts and Sciences
Co-administering College/Academic Group	
Semester Conversion Designation	New Program/Plan
Proposed Program/Plan Name	Integrated Major in Mathematics and English
Type of Program/Plan	Undergraduate bachelors degree program or major
Program/Plan Code Abbreviation	IMME
Proposed Degree Title	Bachelor of Science in English and Mathematics

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program				121	
Required credit hours offered by the unit	Minimum			27	
	Maximum			41	
Required credit hours offered outside of the unit	Minimum			58	
	Maximum			72	
Required prerequisite credit hours not included above	Minimum			22	
	Maximum			22	

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals

- Students develop mathematical problem-solving skills in chosen track within the major.
- Students learn to communicate mathematical understanding effectively.
- Students learn to analyze texts of various kinds—e.g., film, literary, oral, digital.
- Students gain an understanding of the role of diversity in literature and culture.
- Students demonstrate high levels of proficiency in oral and written communication by developing the ability to write persuasively and elegantly using the skills of argumentation, rhetoric, and style in more than one context.
- Students successfully integrate the skills learned in Math and English.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes

Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? No

DIRECT MEASURES (means of assessment that measure performance directly, are authentic and minimize mitigating or intervening factors)

Classroom assignments

- Other classroom assessment methods (e.g., writing assignments, oral presentations, oral exams)

Evaluation of a body of work produced by the student

- Practicum, internship or research evaluation of student work
- Portfolio evaluation of student work
- Capstone course reports, papers, or presentations

INDIRECT MEASURES (means of assessment that are related to direct measures but are steps removed from those measures)

Surveys and Interviews

- Student survey
- Employer feedback or survey

Additional types of indirect evidence

- Job or post-baccalaureate education placement
- Grade review

USE OF DATA (how the program uses or will use the evaluation data to make evidence-based improvements to the program periodically)

- Analyze and discuss trends with the unit's faculty
- Analyze and report to college/school
- Periodically confirm that current curriculum and courses are facilitating student attainment of program goals

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Program Specialization/Sub-Plan Name	Financial/Actuarial Track
Program Specialization/Sub-Plan Goals	<ul style="list-style-type: none"> • Students demonstrate strong computational skills highlighting statistics and probability, enhanced by strong writing, social awareness, and critical thinking skills.
Program Specialization/Sub-Plan Name	Math Education Track
Program Specialization/Sub-Plan Goals	<ul style="list-style-type: none"> • Students demonstrate the skills present in strong educators with exemplary content knowledge as well as the ability to analyze, decipher, and explain math in diverse ways.
Program Specialization/Sub-Plan Name	Applied Math Track
Program Specialization/Sub-Plan Goals	<ul style="list-style-type: none"> • Students exercise the skills that comprise a strong foundation in mathematics and its application to industrial and physical sciences, exhibiting excellent complementary skills in writing, research, and analysis.
Program Specialization/Sub-Plan Name	Theoretical Math Track
Program Specialization/Sub-Plan Goals	<ul style="list-style-type: none"> • Students are able to personalize the IMME with a focus on "pure" mathematics, exploring the basic concepts and structure beneath math topics ranging from geometry to analysis, and articulating these topics to highlight particular fields of interest.

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- ASC IMME proposal.docx: December 2016 Cover letter from English and Math
(Letter from Program-offering Unit. Owner: Husen, William J)
- ASC IMME proposal March 2017_revised (2).docx: March 2017 Cover letter
(Letter from Program-offering Unit. Owner: Husen, William J)
- NMS_support_BS_MathEng_.docx: NMS Panel of ASCC-- letter of support
(Other Supporting Documentation. Owner: Vankeerbergen, Bernadette Chantal)
- IMME_revision_20170722.docx: Program Proposal
(Program Proposal. Owner: Husen, William J)
- IMME_revision_20170722.pdf: Program Proposal - .pdf
(Program Proposal. Owner: Husen, William J)

Comments

- 1. Advising Plans: Electives adjusted (or added) so all tracks in program have at least 121 hours.
- 2. Advising Plans: Math 2153 typo fixed. *(by Husen, William J on 07/22/2017 04:30 AM)*
- See 7-20-17 email to B. Husen and C. Simmons. *(by Vankeerbergen, Bernadette Chantal on 07/20/2017 01:49 PM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Husen,William J	02/18/2016 03:54 PM	Submitted for Approval
Approved	Husen,William J	02/18/2016 03:54 PM	Unit Approval
Approved	Haddad,Deborah Moore	02/18/2016 05:10 PM	College Approval
Approved	Vankeerbergen,Bernadette Chantal	02/28/2016 06:22 PM	ASCCAO Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	03/07/2016 09:28 AM	ASC Approval
Submitted	Husen,William J	11/29/2016 09:55 AM	Submitted for Approval
Approved	Husen,William J	11/29/2016 09:56 AM	Unit Approval
Approved	Haddad,Deborah Moore	11/29/2016 11:41 AM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	12/01/2016 12:03 PM	ASCCAO Approval
Submitted	Husen,William J	12/01/2016 12:47 PM	Submitted for Approval
Approved	Husen,William J	12/01/2016 12:47 PM	Unit Approval
Approved	Haddad,Deborah Moore	12/01/2016 04:23 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	01/24/2017 01:42 PM	ASCCAO Approval
Submitted	Husen,William J	03/24/2017 03:17 PM	Submitted for Approval
Approved	Husen,William J	03/24/2017 03:18 PM	Unit Approval
Approved	Haddad,Deborah Moore	03/24/2017 04:00 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	04/25/2017 12:11 PM	ASCCAO Approval
Submitted	Husen,William J	05/08/2017 02:26 PM	Submitted for Approval
Approved	Husen,William J	05/08/2017 02:26 PM	Unit Approval
Approved	Haddad,Deborah Moore	05/08/2017 03:53 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	05/18/2017 03:55 PM	ASCCAO Approval
Submitted	Husen,William J	06/09/2017 09:50 AM	Submitted for Approval
Approved	Husen,William J	06/09/2017 09:50 AM	Unit Approval
Approved	Haddad,Deborah Moore	06/12/2017 10:18 AM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	07/20/2017 01:49 PM	ASCCAO Approval
Submitted	Husen,William J	07/22/2017 04:30 AM	Submitted for Approval
Approved	Husen,William J	07/22/2017 04:31 AM	Unit Approval
Approved	Haddad,Deborah Moore	07/23/2017 05:04 PM	College Approval
Pending Approval	Nolen,Dawn Vankeerbergen,Bernadette Chantal Oldroyd,Shelby Quinn Hanlin,Deborah Kay Jenkins,Mary Ellen Bigler	07/23/2017 05:04 PM	ASCCAO Approval



March 24, 2017

ASC Curriculum Committee

Dear Committee:

Attached is the revised proposal for a new Integrated Major in Mathematics and English. We originally submitted the proposal in February 2016, but were asked to make some revisions, including the full development of the Capstone course. After our resubmission in December 2016, the Committee asked us to respond to additional questions. We have revised the proposal to answer the queries (major changes are marked in red), but I will also list the responses here in the general order of the original queries:

- 1) Advising: The 12/2016 revision articulated the creation of an advising panel consisting of an advisor and a faculty member from each Department. We have added explicitly that the advisors will work in consultation with each other (see p. 11).
- 2) We have corrected the title of the College to “The College of Arts and Sciences,” changed references to “degree” to “major,” and “IDEM” to “IMME.”
- 3) The revised proposal slightly decreases the role of the Buckeye Leadership program in the Capstone course.
- 4) We agree that there is no need for electives to be at the upper level.
- 5) We have added CSE 2111 to the Theoretical Math sample advising plan. There would now be no space for electives in the Theoretical Math plan, which is why in this version we have listed Math 1295 as the open option GE.
- 6) GE advisors in both Departments seem to have been not quite clear that this is an integrated major, not a dual major, hence the confusion over whether courses can double-count for the GE. We concur with your committee’s interpretation, namely, that because this is one major, not two, major and GE courses cannot overlap. We have adjusted the sample plans and advising sheets accordingly.
 - A) Students will be advised to take their literature GE outside of English.
 - B) Students will be encouraged to take English 2269 as their VPA GE, rather than as part of the major.
 - C) Students using a different course as their VPA GE would use English 2269 as their English 2000-level elective.
 - D) Math 2153 would be part of the major, and students could use two other Math prerequisites (Math 1295 is now a prerequisite and not a part of the major) as GEs or use an elective slot.
- 7) Because English 2269 will no longer automatically be counted as part of the major, we have added an English course; hence students will be required to take one English course at the 2000-level or above; a methods course (2270, 2279, or 3398); one course at the 3000-level or above; a 4000-level course fulfilling the diversity requirement; and three courses at the 4000-level or above.
- 8) We are unsure why the Committee is requesting examples of projects and timing for English 4420, but we have added an explanation on pp.47-48.



We continue to believe that the Integrated Major will be an excellent option for a select group of Ohio State students and that it will contribute to their long-term success in their future careers.

Sincerely yours,

William Husen
Director of Undergraduate Studies
Department of Mathematics

Clare A. Simmons
Director of Undergraduate Studies
Department of English
simmons.9@osu.edu

For your reference:

Previously, Panel had requested description of how advising will truly integrate both Math and English components of the major (i.e., to prevent discrete/silo advising). Such an explanation is not provided in the document.

- Cover letter and p. 2, Replace “Colleges of Arts and Sciences” with “College of Arts and Sciences.”
- P. 7: Eddie Pauline has not been the Director of the Buckeye Leadership Fellows Program since February 2016. He is now the Director of Business Development in the Office of Economic and Corporate Engagement at Ohio State.
- Pages 7 and 10: remove “degree” and replace with “major.”
- Here and there in the proposal, there are still references to IDEM. Pages 10, 11, 51: change IDEM to IMME.
- P.11: What is the reference to 12-15 upper-level credits for electives?
- Appendix 1: Sample 4-year plans:
 - P. 16: Theoretical Math concentration: CSE 2111 is not included in the plan, though this course is listed on the advising sheet on p. 27.
 - Issue of courses that are presented as fulfilling a GE requirement on all sample 4-year plans but are presented as core courses on the advising sheets (in Appendix 2). This is the case for Math 2153 (marked as GE Open Option on plans but also in core courses for major) and English 2269 (marked as GE Visual and Performing Arts on plans but also in core courses for major). Those GE categories and courses in the major cannot overlap.



- All advising sheets (Appendix 2) indicate students need to take one English course at the 2000-level or higher and three English courses at the 3000-level or higher. However, all sample 4-year plans mention one “English3000-level+” course and three “English 4000-level+” course. Which information is correct?
- Why does the GE Literature course need to be out of English and at the 2000-level or higher? The proposal does not mention/explain this anywhere else.
- Some electives in the senior year are marked as “upper division.” Remove “upper division” because that is not needed. As such, there are already enough upper division courses.
- Appendix 2: Advising sheets:
 - 1000-level courses cannot be included in a major. However, Math 1295 is included as a core course in all 4 concentrations.
- Math 4420:
 - P. 7: For capstone project:
 - Provide examples of projects.
 - How would a student do a capstone project on one of the topics later in the semester (since students will be given a list of possible projects at the beginning of each section of the course)?
 - P. 8: 3-credit hour course should meet 165 minutes per week (not 110 minutes).
 - P. 9: Change reference IDEM to IMME.



April 17, 2017

To: Chair of ASCC

From: Charles J. Daniels, Chair ASCC Natural and Mathematical Sciences Panel

Dear colleagues,

At our meeting on Tuesday, April 11th, the Natural and Mathematical Sciences Panel completed our review of the proposal for the Integrated Major in Mathematics and English (IMME) leading to the degree of Bachelor of Science in English and Mathematics. The proposal was first presented to the NMS panel for consideration on March 1, 2016. Several issues were raised that required further clarification and corrections. The more substantive issues included questions on recruiting policies, the formation of a steering committee, integration of advising, team teaching policies, and corrections to informational documents, advising sheets and curriculum maps. Another key aspect of the program was the capstone course, which was still under development. Following two revisions submitted to the NMS panel this year, January 17 and April 11, I'm please to say that the major issues have been resolved and the panel voted unanimously to approve the plan and for the new major to be advanced to the full ASC Curriculum Committee (ASCC). Not unexpectedly, a few minor points remain for clarification (see below) that don't affect the overall proposal, and to prevent further delay, we ask that these issues by resolved by ASCC as you consider the proposal.

Summary and Outstanding Issues for IMME and The Capstone Course (Math/English 4420)

The IMME major is an innovative program designed to prepare students with high-level skills in both Mathematics and English stressing an integrative, complementary mastery of these disciplines. Four Mathematics concentration areas will be available: Actuarial/Finance, Applied, Math Education, and Theoretical. These will be combined with a strong foundation in English including composition and methods, and the opportunity for students to choose electives matching their interests. The program will culminate with a capstone course (Math/English 4420) that will integrate knowledge gained in coursework with real world practice. Based on the letters of support from industry representatives, students completing the program will have a competitive advantage over their peers in having both strong mathematics and communication skills. The program also provides an opportunity for OSU to recruit high-achieving students who value the forward-thinking nature of the program.

IMME: The four outstanding issues are:

- Remove GE Data Analysis line on each 4-year plan (in the Spring of second year). BS students fulfill that requirement in the actual major courses.
- P. 16: Add "Elective course" on two lines that have a blank with credit hours added. (One is in Spring of Year 3 and the other one is in the Fall of Year 4.)
- Math 1295 fulfills GE Open Option in 4-year plan for Theoretical Math. This course cannot be used for GE for BS students. Since there is now an elective slot open in that plan (since line about GE Data Analysis is now freed), use that course for the elective slot.
- P. 12: "Note: Where appropriate to the concentration, 3000-level English courses can substitute for 4000-level courses." Remove that statement.

Math/English 4420: The Panel unanimously approved the course with one contingency and two recommendations:

Contingency:

- Issue of contact hours has not been resolved. P. 8: 3-credit hour course should meet 165 minutes per week (not 110 minutes).

Recommendations:

- Capstone presentations and documents: When course is actually offered, provide more details about length of document & (time) length of presentation.
- Disability statement used includes the previous location in Pomerene Hall. Update the disability statement to include the new location at 098 Baker Hall. See p. 15 of ASC Curriculum and Assessment Operations Manual for the correct disability statement.

Respectfully,



Charles J. Daniels, Ph.D.

Proposal: New Integrated Undergraduate Major in Mathematics and English

Catalogue style description:

The integrated major in Mathematics and English (here abbreviated to IMME) is a joint venture between the two departments. It enables students to acquire expertise in both fields and concludes with a capstone course combining the integrated skills developed in coursework. English coursework is very flexible; Math coursework will follow one of four tracks: Applied Math; Education; Finance and Actuarial Science; and Theory.

1. General Information

The **title** of the proposed new major is **Integrated Major in Mathematics and English**.

Degree students completing the major will receive: B.S. (Bachelor of Science); they will pursue one of four concentrations: Actuarial/Finance, Applied, Math Education, and Theoretical

Proposed implementation date: Autumn 2018

Academic units responsible for administrating the major program: Mathematics and English

2. Rationale

Overview

The proposed Integrated Major in Mathematics and English is a collaborative effort between the two departments. A few major universities (e.g., Stanford) are now offering similar undergraduate programs, and we believe that The Ohio State University has the resources to become a leader in an emergent field. The primary objective is to offer undergraduates the opportunity to develop a set of skills that will equip them not only for employment and graduate school, but for long-term career success. An integrated major offers a different experience from a dual major or a major with minor since it encourages participants to think of the two fields of study not as distinct but as complementary. Since it requires only the credit hours of a single major, it should also be possible for students to complete the major program within four years, which can be a challenge with a double major. We believe that the Integrated Major has potential for recruiting high-achieving students to The Ohio State University, where they will follow a curriculum in both departments and complete the program with an experiential capstone project integrating the skills acquired in each discipline.

Why Mathematics and English?

Mathematics and English are two core subjects in the College of Arts and Sciences. Both attract large numbers of majors (currently around 1200 Math majors and 600 English majors), and so identifying enough students to create an integrated program should not be difficult. We hope, though, that if this collaborative program proves successful it could serve as a pilot for other integrated majors.

In combination, English and Mathematics teach students complementary skills. Liberal Arts majors learn critical thinking and analytical skills. In addition, the English program's strong emphasis on reading and writing teaches the ability to empathize, to process information, and to communicate, skills that employers constantly claim they need and that Math majors are sometimes seen as lacking. Mathematics teaches precision in modeling and in analyzing real-world problems, and involves skills in calculation and numerical analysis that are not typically part of a liberal arts program.

At the same time, the integrated major would be an advantage to many students intending to continue on to graduate school or a professional program, including those interested in law, medicine, business, and of course education. Where possible, students would be assisted in completing a capstone experience appropriate to their long-term plans.

This major could also be a means of recruiting high-achieving students to the College of Arts and Sciences. The program should be attractive both to ambitious students seeking a challenge and to parents of prospective students, who often express reservations about the long-term value of majors that do not seem to lead directly to employment.

Finally, this is the sort of program that is likely to attract support from employers and sponsors. It demonstrates that we are committed to teaching our students to think and communicate well, while ensuring that their education is helping to prepare them for the real world.

How assessment data has been used

We are proposing this major in response to requests from students and their families, who have expressed a desire for the skills necessary for success on the job market and in their subsequent careers. The concept was also developed with the support of prospective employers, who when surveyed generally responded enthusiastically to the idea of a major integrating verbal and numerical skills (see Appendices 3 and 4). It demonstrates that we are committed to teaching our students to think, while ensuring that their education is helping to prepare them for the real world. Their enthusiasm reflects trends reported recently in major media and research sources that employers are seeking college graduates who have both technical expertise and "soft skills" such as writing, communication, critical thinking, creativity, and sociability. For

instance, *Forbes* recently noted that “People with balanced strengths in social and math skills earn about 10% more than their counterparts who are strong in only one area.”¹ Similarly, a 2013 survey by Hart Research Associates, conducted on behalf of the Association of American Colleges and Universities, found that most employers agree that “having both field-specific knowledge and skills and a broad range of skills and knowledge is most important for recent college graduates to achieve long-term career success. Few think that having field-specific knowledge and skills alone is what is most needed for individuals’ career success.”²

The integrated major in English and Math is thus one attempt to address multiple calls, locally and nationally, for college graduates whose knowledge base and skills sets combine aptitudes and expertise associated with both the STEM fields and the Humanities.

Appropriateness to Ohio State

Ohio State has, we believe, the largest number of Mathematics and English majors of any institution in the state of Ohio; we have well-prepared undergraduates and highly qualified faculty with a broad range of expertise. We also have contacts with many prospective employers and/or sponsors for internships. Finally, the unification of the College of Arts and Sciences provides both opportunity and infrastructure (e.g., curricular, advising) for facilitating the development of an integrated major such as this within the College.

Benefits to Students

First, we would suggest that students who complete this program including the final capstone experience/internship would immediately be ahead of most of job market candidates in the range of skills that they could offer an employer. Students from both Math and English often find first jobs in banks, insurance, marketing, consulting, non-profit organizations, and other fields that require both some mathematical awareness and strong communication skills. Skills in analysis and communication become even more important for workers seeking promotion to management or supervisory positions.

Second, we see this program as a means of recruiting high-achieving students to the College of Arts and Sciences at The Ohio State University. Students with potential in both English and Math can readily be identified through the ACT and admissions process, and this program would be a valuable one for targeted recruiting. The program should be attractive both to

¹ George Anders, “That ‘Useless’ Liberal Arts Degree Has Become Tech’s Hottest Ticket,” *Forbes* (29 July 2015): http://www.forbes.com/sites/georgeanders/2015/07/29/liberal-arts-degree-tech/3/?utm_campaign=Forbes&utm_source=TWITTER&utm_medium=social&utm_channel=Technology&linkId=15925038

² Hart Research Associates, “It Takes More Than a Major: Employer Priorities for College Learning and Student Success” (10 April 2013): http://www.aacu.org/sites/default/files/files/LEAP/2013_EmployerSurvey.pdf

ambitious students seeking a challenge and to parents of prospective students, who often express reservations about the long-term value of majors that do not seem to lead directly to employment.

Career Opportunities

As noted above, the foremost goal of the program is to enhance career opportunities for our students. The integrated major would also be of advantage to students intending to continue on to graduate school and professional programs, including those interested in law, medicine, business, and middle-school education. Where possible, students would be assisted in completing a capstone experience appropriate to their long-term plans.

Licensure

This program will not lead directly to licensure but would be compatible, assuming the student pursued the relevant concentration within the major, with successful completion of the Actuarial Science exams and with proficiency tests for middle school teachers.

3. Goals/Objectives and Evaluation of Program

Assessment Plan

Goals/Objectives and Evaluation of Program

Goals:

Students learn precision in modeling, calculation, and verbal and numerical analysis in order to examine and solve real-world problems; students develop critical thinking and analytical skills, with strong emphasis on reading and writing, in order to empathize, process information, and communicate effectively.

Expected Learning Outcomes

1. Students develop mathematical problem-solving skills in chosen track within the major.
2. Students learn to communicate mathematical understanding effectively.
3. Students learn to analyze texts of various kinds—e.g., film, literary, oral, digital.
4. Students gain an understanding of the role of diversity in literature and culture.
5. Students demonstrate high levels of proficiency in oral and written communication by developing the ability to write persuasively and elegantly using the skills of argumentation, rhetoric, and style in more than one context.
6. Students successfully integrate the skills learned in Math and English.

Direct Methods for measuring achievement of all six learning objectives:

- (a) Measure success rate in passing courses in both fields compared with single majors in these subjects.
- (b) Measure overall mean GPA and compare with that of single majors.
- (c) Complete an assessment of portfolios and oral presentations from the capstone class using a rubric based on the learning objectives for the program.

Indirect Methods for assessing the success of the program:

- (a) Survey students about their experiences in the program.
- (b) Keep records of job placements for graduates who choose to seek employment for three years after graduation for the first three graduating cohorts.

Criteria for evaluating successful student learning:

- (a) The same or better passing rate in courses and average GPA as for single majors
- (b) The same passing rate as for single majors in professional examinations; in actuarial science this is 75% passing one exam and 60% passing two or more exams
- (c) 80% of students testing as above proficient (i.e. a B or above) in the Capstone class
- (d) Placement rate of 80% in related fields of those who sought employment within three years.

Assessment timeline:

In year three of the program (first cohort's junior year): Review student success in courses and compare with that of single majors in the two fields; measure program retention.

In year four of the program (first cohort's senior year): Start collection of data on job and graduate school placement; continue with the next two cohorts.

How information will be used:

Data on student success will be shared with the Chairs, Directors of Undergraduate Studies, and advisors in each Department, who will share in any decisions as to modifications to the major

Outline of Program

1. Ideally, freshmen would enter Ohio State having already declared the integrated major. Students entering the program later than their first year could be accommodated but unless they had some of the prerequisites they might not be able to complete all the requirements within four years.

2. Where practicable, students would be encouraged to take a designated section of English 2367 that would give them opportunities to apply numerical awareness to the U.S. experience (demographics, statistics, and similar).
3. Appendix 1 shows sample advising plans for each of the four tracks for different Math emphases: Actuarial/Financial, Applied, Education, and Theoretical. The General Education requirements are based on the Bachelor of Science pattern, which would be the degree awarded. It should be noted that the “Education” track does not contain all the State prerequisites for entering an M.Ed. program. An interested student could certainly complete these, but the result would most likely be a program of more than 122 hours. There is more variability in the English courses given that each student will work with an English adviser to select courses most appropriate to his/her goals. In general, the English courses will improve students’ abilities in composition (including digital composition), critical thinking, interpretation, and research, and develop their empathy, social awareness, and historical understanding.

During the senior year, and normally during the final semester, students would complete a capstone requirement where they will gain real-life experience in using skills drawn from both Math and English, culminating in a final project based on one of the topics covered in the course. The course will be team-taught by faculty from Math and English, assisted by the Buckeye Leadership Fellows Program sponsored by the Office of Student Life. A syllabus for this new course is attached as Appendix

Relationship to Other Programs/Benchmarking

- All four concentrations are currently offered in the Department of Math. Their disposition within the integrated major will necessarily be less powerful because some of the depth of coursework will be cut to accommodate the English component, but the courses within the four concentrations have been carefully assembled to ensure that students can meet standards expected for the careers for which those paths prepare them. As mentioned above, the Education track will not lead directly to high school credentialing, but is instead suited for Middle School teaching.

The Department of English administers six minors—English, Creative Writing, Professional Writing, Critical and Cultural Theory, Popular Culture, and Medical Humanities—any one of which might be a useful addition for a regular Math major. But the point of the integrated major is to provide substantial coursework in *both* English and Math, with strategic opportunities (a specially designed English 2367 where practicable; and the capstone course, which is a graduation requirement) for integrating knowledge and skills developed in each area. The integrated major will thus provide a carefully structured educational experience that will be different from double majoring or majoring and minoring in Math and English.

Although there are integrated majors that bring together the natural/mathematical sciences and the Humanities—for example, Computer Science and English, and Computer Science and Music at Stanford—our proposal appears to be the first major to integrate the fields of Math and English.

- There are no known overlaps with any other programs or departments within the university.
- Eddie Pauline, Director of the Buckeye Leadership Fellows Program, has indicated his willingness to use that program as part of the capstone course. Mr. Pauline is no longer working with BLF but the program may still be able to serve as a liaison for students in the Capstone course.
- There are no articulation arrangements that need to be made for the major.
- No consultants or advisory committees have been involved in the development of the major.
- This is the first time this major has been proposed.
- Students will be recruited through the regular admissions process, with informational materials sent to admitted students interested in both Math and English. In addition, some current English and Math majors may decide to pursue the new major. It may also attract students who would have pursued another major.

4. Student Enrollment

Expected first-year enrollment: 20

Subsequent enrollment: 70-100 total (20-25 students/year)

Note: OSU records indicate that in the past 11 years, approximately four students per year have combined some kind of English and Math/Actuarial Science degree (e.g., an English Major with a Math minor, a double major in English and Math, a Math major with a Creative Writing minor). These numbers will not translate exactly into the number of students who might pursue the integrated major given that it is a different type of collaboration of the two fields, but they at least indicate that there will be interest among students in a Math-English major combination.

5. Curricular Requirements

- Sample advising plans, which include required GE and elective course selections for all four concentrations, are provided in Appendix 1.
- All of the courses for the proposed major will be drawn from existing courses in English and Math. Students should fulfill their literature GE through an English course, preferably one of the historical surveys. A number of these will be variable depending on the student's needs as determined in consultation with an adviser. The following courses will be required, including the only course that will need to be developed: a capstone course described below.

- English 1110: First-Year English Composition (3) (Prerequisite)
Practice in the fundamentals of expository writing, as illustrated in the student's own writing & in the essays of professional writers.
- English 2367: Second-level writing course [various versions] (3) (GE)
Extends & refines expository writing & analytical reading skills.
- English 2269: Digital Media Composing (3) (Prerequisite—fulfills GE Visual and Performing Arts: students who have fulfilled VPA through another course or have taken their GE Lit in English should use 2269 as their 2000-level English elective)
A composition course in which students analyze and compose digital media texts while studying complex forms and practices of textual production.
- English 3398: Methods for the Study of Literature; OR 3379: Methods for the Study of Writing, Rhetoric, Literacy; OR 2270: Introduction to Folklore (methods courses) (3)
[NOTE: although students will not complete one of the English concentrations, they are advised to follow one of the four options to give the English portion of the integrated major some coherence. Their choice of Methods course should therefore match with their interests; for example, students planning to concentrate mainly on Literature, Film, or Creative Writing courses at the 4000 level should take 3398; those planning to take more courses in rhetoric and writing should take 3379. The full advising sheets for the English concentrations are listed in Appendix 7.]
- Math 1295: Introductory Seminar (1) (Prerequisite)
Seminar on mathematical topics for beginning math majors.
- Math 1151: Calculus I (5) (Prerequisite)
Differential and integral calculus of one real variable.
- Math 1152: Calculus II (5) (Prerequisite)
Integral calculus, sequences and series, parametric curves, polar coordinates, (optional: vectors)
- Math 2153: Calculus III (4)
Multivariable differential and integral calculus.
- Math 2255: Differential Equations and their Applications (3)
Ordinary differential equations, their series solutions, numerical methods, Laplace transforms, physical applications.
- Math 2568: Linear Algebra (3)
Matrix algebra, vector spaces and linear maps, bases and dimension, eigenvalues and eigenvectors, applications.
- Math 3345: Foundations of Higher Mathematics (3)
Introduction to logic, proof techniques, set theory, number theory, real numbers.
- Math 3607: Beginning Scientific Computing (3)

Introduction to mathematical theory of algorithms used to solve problems that typically arise in sciences, engineering, and finance.

- Math 4504: History of Mathematics (3)
Development of mathematics from primitive origins to present forms. Topics include development of arithmetic, algebra, geometry, trigonometry, and calculus.
- Math 4530: Probability (3)
Combinatorial probability, random variables, independence, expectation, variance.
- Math 4547: Introductory Analysis I (3)
Involves advanced calculus: sequences, limits, continuity, differentiation, Riemann integral, sequences and series of functions, Taylor series, improper integrals.
- Math 4580: Abstract Algebra I (3)
Topics in number theory, group theory, vector spaces and linear transformation, field theory, and field extensions.
- Computer Science and Engineering 2111: Modeling and Problem Solving with Spreadsheets and Databases (3) Spreadsheet and database modeling/programming concepts and techniques to solve business related problems; efficient/effective data handling, computational analysis and decision support. Additional topics: computer concepts, networking, project integration.
- Economics 2001: Principles of Microeconomics (3)
Introduction to economic theory: supply and demand for goods, services, and factor inputs; market structure; international trade, the distribution of income.
- Economics 2002: Principles of Macroeconomics (3)
Introduction to the theory of national income determination; economic fluctuations; money; government policy; international economics.
- Statistics 4201: Introduction to Mathematical Statistics I (4)
Basic concepts in mathematical statistics, including probability, discrete and continuous distributions and densities, mathematical expectation, functions of random variables, transformation techniques, sampling distributions, order statistics.
- Statistics 4202: Introduction to Mathematical Statistics II (4)
Decision theory, point and interval estimation, Neyman-Pearson lemma, likelihood ratio tests, tests for means, variances, and proportions, nonparametric tests, regression, and ANOVA.
- English 4000-level diversity course: 4577.01 Folklore I: Groups & Communities; 4592 Topics in Women in Literature and Culture; 4580 Topics in LGBTQ Literatures/Cultures; 4587 Studies in Asian American Literature/Culture; 4597.01 Disability Experience in the Contemporary World; 4581 Topics in

U.S. Ethnic Literatures; 4588 Studies in Latino/a Literature/Culture; 4601 Language & the Black Experience; 4582 Topics in African-American Lit; 4589 Studying the Margins: Power, Language, & Culture

- Five additional English courses, one at the 2000-level or above, one at the 3000-level or above, and 3 at the 4000-level or above.

- **Capstone Course for IMME: English/Math 4420 (new course) (3)**

Students pursuing the Integrated Major in Math and English will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, IMME majors will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired through their previous coursework to real-world practice.

This capstone course will combine both professional development and leadership seminars and a capstone project on a topic chosen from real-world challenges submitted to the IMME program through our community and industry partners. The course will thus provide students with both a critical learning experience and an opportunity to synthesize and apply what they learned in IMME in a real situation. Students who complete this capstone course will have a broader understanding of their own personal strengths and which jobs might require their particular set of skills, thus resulting in a student who is more prepared for entering the workforce.

The course will be team-taught by two faculty members, one from the English Department and one from the Math Department. It will rely on the infrastructure, experience, and business contacts from the Buckeye Leadership Fellows Program (Office of Student Life) and the actuarial science course in the Math Department, Math 3588. The course proposal is attached as Appendix 5.

- Curriculum Map See also Appendix 6)

Learning Objective	How fulfilled
(1) Students develop mathematical problem-solving skills in chosen track within major	3000-4000-level Math courses within track
(2) Students learn to communicate mathematical understanding	other Math courses and Math/English 4420

effectively	
(3) Students learn to analyze texts of different kinds—e.g., film, literary, oral, digital.	English Methods courses (3398, 3379, 2270) and English 2269 (GE)
(4) Students gain an understanding of the role of diversity in literature and culture	English 4000-level diversity courses
(5) Students demonstrate high levels of proficiency in oral and written communication by developing the ability to write persuasively and elegantly using the skills of argumentation, rhetoric, and style in more than one context.	English 2367; 3000-4000-level English courses within track
(6) Students successfully integrate the skills learned in Math and English	Capstone course English/Math 4420

- There are no prerequisites for declaring an English or Math major. Standard prerequisites for the majors are English 1110/2367; Math 1151/1152; and Econ 2001/2002.
- The minimum number of credits required for the completion of the major is 41.
- Students who enter as IMME majors should be able to graduate in the standard 121 credit hours.
- See Appendix 1 for 4-year student advising plans in all four tracks.
- All courses toward the major will be in Math and English.
- A typical number of elective hours would be 12-15 ~~upper-level~~ credits. Because the integrated major covers two fields, we are not proposing any specific minor, although students may choose to take one. Elective courses are marked on the advising sheets.
- In addition to following course requirements, successful completion of the Capstone course with portfolio and presentation is a required part of the major.
- The major does not include accreditation, but students would be able to take professional examinations such as the actuarial science exam.
- **Impact of New Major on Facilities, Faculty, and Support Services**
Because students would be taking the same courses as other Math and English majors, the only new course required would be the capstone course, and even this would draw on systems already in place such as the Actuarial Science capstone, Professional Writing internships, and the Buckeye Leadership Program. The only additional expense would be for faculty labor to teach the capstone course (3 hours). At least for the first iterations, the course would be team-taught by one faculty member from each Department.

In addition to a version of English 2367 (the second writing course) directed specifically to this population, it might be possible to tailor the syllabus for other multi-section

English classes should the number of students justify it, but while this would entail some coordination it would not require the creation of new courses.

Some additional work will be involved in the form of the Integrated Major Advising Committee, which will consist of the Directors of Undergraduate Studies from Math and English; an additional faculty member from each department; and an advisor from each department. Advisors will have access to course descriptions from both Math and English, and will consult their counterparts in the other Department should students have curricular questions that they feel unable to answer.

Finally, the program will be dependent on active involvement in recruiting.

Appendix 1

Concentrations: advising plans

Integrated Major in Mathematics and English

In combination, English and Mathematics teach students an impressive range of skills. English courses teach critical thinking and analytical skills as well as the kind of communication and writing skills that are needed in a variety of careers and professional/graduate schools. Mathematics teaches precision in modeling and in analyzing real-world problems, and involves skills in calculation and numerical analysis. The Integrated Major in Mathematics and English is thus designed not only to develop these crucial skills sets but also to provide opportunities to integrate them in real-world work contexts.

Students interested in the integrated major generally have ACT Math, English, and Reading scores of at 25 and/or an SAT Math score of at least 570; and a verbal SAT score of at least 610. Interested students should contact a Mathematics advisor as well as an English advisor to map out an appropriate program of courses. Those who complete the major will graduate with a Bachelor of Science.

Career and Post-Baccalaureate Opportunities

Students who complete this major will be ahead of most college graduates in the range of skills that they can offer an employer. Depending on the concentration they pursue, students often find first jobs in banks, insurance, marketing, non-profit organizations, consulting, education, and other fields that require both some mathematical awareness and strong communication skills. Skills in analysis and communication become even more important for workers seeking promotion to management or supervisory positions. Some students pursuing this major may have the long-term goal of starting their own business. The integrated Major is also a path to advanced study in professional programs (such as Business-MBA, Medical, and Law School) and graduate school.

Requirements

Students will pursue one of four concentrations—Theoretical Math, Math for Educators, Actuarial/Financial Math, or Applied Math—each of which includes a full complement of Math and English coursework. Each concentration concludes with a capstone course in which students receive extensive leadership training while they also work with a workplace partner to develop a project in which they use both the Math and English skills and expertise they have acquired through their coursework.

Each concentration is described below and is supported by a four-year advising plan. With the exception of the Theoretical Math concentration, each plan includes room for a series of electives, which could be taken in the form of a minor chosen by the student.

Applied Math Advising Plan: Just as the name indicates, this track utilizes mathematics as it applies in real-life situations. By building a strong foundation in mathematics and its application to industrial and physical sciences and supporting that foundation with excellent skills in writing, research, and analysis, students completing this track will be well prepared for a career or graduate-level study in engineering, computer science, physics, architecture and more.

IMME: Applied Math Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0
	Art Sci Survey	1	0	Foreign Language GE	4	0
Year 2	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	English Methods Course: 3398, 3379, or 2270	3	3
	Foreign Language GE	4	0	Math 2255 – Differential Equations	3	3
	Math 2153 – Calculus III	4	4	Math 2568 – Linear Algebra	3	3
	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Natural Science GE Lab Course	4	0
		0	0	Elective Course	3	0
Year 3	English 4000-level diversity in literature and culture course	3	3	English 2000-level+ Course	3	0
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Stat 4202 - Statistics	4	4
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0
	English 3000-level+ Course	3	3	History GE (Double as 2 nd Global Studies GE)	3	0
	Visual and Performing Arts GE: English 2269	3	0			
Year 4	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3
	Math 3607 – Beginning Scientific Computing	3	3	English 4000-level+ Course	3	3
	Natural Science GE	3	0	Elective Course	3	0
	Open Options GE	3	0	Integrated Major Capstone Course	3	3
	Elective Course	3	0	Elective Course	3	0
Totals for Fall Terms		60-61	22-23	Totals for Spring Terms		61 22

Total Credit Hours: 121-122
Total Upper Division Hours: 44-45

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program

Education Advising Plan: By learning foundational logic within a wide scope of math topics from calculus to abstract algebra and combining this with the communication and analytical skills offered by English courses, this track helps to generate strong educators with exemplary content knowledge as well as the ability to analyze, decipher, and explain math in diverse ways. (Note: the “Education” track does not contain all the State prerequisites for entering an M.Ed. program. An interested student could certainly complete these but the result would most likely be a program of more than 122 hours. Middle school teaching is the more likely career path with this track.)

IMME: Math Ed Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0
	Art Sci Survey	1	0	Foreign Language GE	4	0
Year 2	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	English Methods Course: 3398, 3379, or 2270	3	3
	Foreign Language GE	4	0	Math 2255 – Differential Equations	3	3
	Math 2153 – Calculus III	4	4	Math 2568 – Linear Algebra	3	3
	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Natural Science GE Lab Course	4	0
		0	0	Elective Course	3	0
Year 3	English 4000-level diversity in literature and culture course	3	3	English 2000-level+ Course	3	0
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Math 3345 – Foundations of Higher Mathematics	3	3
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0
	English 3000-level+ Course	3	3	Elective Course	3	0
	Visual and Performing Arts GE: English 2269	3	0	Elective Course	1	0
Year 4	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3
	Math 4504 – History of Mathematics	3	3	English 4000-level+ Course	3	3
	Natural Science GE	3	0	Elective Course	3	0
	Open Options GE	3	0	Integrated Major Capstone Course	3	3
	Elective Course	3	0	History GE (Double as 2 nd Global Studies GE)	3	0
Totals for Fall Terms		60-61	22-23	Totals for Spring Terms		61 21

Total Credit Hours: 121-122

Total Upper Division Hours: 44-45

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program.

Financial and Actuarial Science Advising Plan: The financial and insurance industries are among the most prominent and complex industries in the world today. With a strong computational background highlighting statistics and probability enhanced by strong writing, social awareness, and critical thinking skills, students in this track will be competitive candidates in any corporate or commercial based career within the insurance, finance, investment, real estate, actuarial consulting, or banking industry.

IMME: Financial Math Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0
	Art Sci Survey	1	0	Foreign Language GE	4	0
Year 2	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	English Methods Course: 3398, 3379, or 2270	3	3
	Foreign Language GE	4	0	Math 2255 – Differential Equations	3	3
	Math 2153 – Calculus III	4	4	Math 2568 – Linear Algebra	3	3
	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Natural Science GE Lab Course	4	0
		0	0	Elective Course	3	0
Year 3	English 4000-level diversity in literature and culture course	3	3	English 2000-level+ Course	3	0
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Stat 4202	4	4
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0
	English 3000-level+ Course	3	3	History GE (Double as 2 nd Global Studies GE)	3	0
	Visual and Performing Arts GE: English 2269	3	0			
Year 4	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3
	Math 5632 – Financial Economics	3	3	English 4000-level+ Course	3	3
	Natural Science GE	3	0	Elective Course	3	0
	Open Options GE	3	0	Integrated Major Capstone Course	3	3
	Elective Course	3	0	Elective Course	3	0
Totals for Fall Terms		60-61	22-23	Totals for Spring Terms		61 22

Total Credit Hours: 121-122
 Total Upper Division Hours: 44-45

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program.

Theoretical Math Advising Plan: Also known as “pure” mathematics, theoretical mathematics explores the basic concepts and structure beneath many math topics ranging from geometry to analysis. With elective options constructed as part of this track along with communication, writing, and critical thinking skills provided through English coursework, students are able to personalize the major to meet the needs of their future career/academic goals or to highlight particular fields of interest.

IMME: Theoretical Math Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0
	Art Sci Survey	1	0	Foreign Language GE	4	0
Year 2	English Methods Course: 3398, 3379, or 2270	3	3	English 2000-level+ Course	3	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 2255 – Differential Equations	3	3
	Foreign Language GE	4	0	Math 2568 – Linear Algebra	3	3
	Math 2153 – Calculus III	4	4	Natural Science GE Lab Course	4	0
Year 3	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Elective Course	3	0
	English 4000-level diversity in literature and culture course	3	3	English 4000-level+ Course	3	3
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Math 3345 – Foundations of Higher Mathematics	3	3
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0
	Elective Course	3	0	History GE (Double as 2 nd Global Studies GE)	3	0
Year 4	Visual and Performing Arts GE: English 2269	3	0	Elective Course	3	0
	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3
	Math 4580 – Abstract Algebra I	3	3	Math 4547 – Introductory Analysis I	3	3
	Natural Science GE	3	0	Open Options GE	3	0
	English 3000-level+ Course	3	3	Integrated Major Capstone Course	3	3
Elective Course	1	0		0	0	
Totals for Fall Terms		61-62	25-26	Totals for Spring Terms		60 21

Total Credit Hours: 121-122
Total Upper Division Hours: 46-47

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program.

Appendix 2

Advising Sheets

Contacts

Department of English: english.osu.edu

English Advising: Pablo Tanguay, Undergraduate Program Manager: tanguay.1@osu.edu; 614-292-6065

Department of Mathematics: math.osu.edu

Mathematics Advising: mathadvisors@math.osu.edu

Integrated Math and English Major: Applied Math Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hrs)
	Math 1295 Introductory Seminar (1 hr)

Part B: Major Program (47-48 hrs)

Core courses for track (26-27 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2255 Differential Equations and Their Applications (3 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3607 Beginning Scientific Computing (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	Stat 4202 Introduction to Mathematical Statistics II (4 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three English courses at the 4000-level or higher from the list below (9 hrs)**

Note: Students should consult with their advisor as to an appropriate combination of English courses.

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation

2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Integrated Math and English Major: Math Education Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hrs)
	Math 1295 introductory Seminar (1 hr)

Part B: Major Program (46-47 hrs)

Core courses for track (25-26 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2255 Differential Equations and Their Applications (3 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3345 Foundations of Higher Mathematics (3 hrs)
	Math 4504 History of Mathematics (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three English courses at the 4000-level or higher from the list below (9 hrs)**

Note: Students should consult with their advisor as to an appropriate combination of English courses.

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation

2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Integrated Math and English Major: Financial/Actuarial Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hr)
	Math 1295 Introductory Seminar (1 hr)

Part B: Major Program (47-48 hrs)

Core courses for track (26-27 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3618 Theory of Interest (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	Math 5632 Financial Economics (3 hrs)
	Stat 4202 Introduction to Mathematical Statistics II (4 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three English courses at the 4000-level or higher from the list below (9 hrs)**

Note: Students should consult with their advisor as to an appropriate combination of English courses.

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation

2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Integrated Math and English Major: Theoretical Math Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hrs)
	Math 1295 Introductory Seminar (1 hr)

Part B: Major Program (49-50 hrs)

Core courses for track (28-29 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2255 Differential Equations and Their Applications (3 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3345 Foundations of Higher Mathematics (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	Math 4547 Introductory Analysis I (3 hrs)
	Math 4580 Abstract Algebra I (3 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three** English courses at the **4000-level or higher** from the list below (9 hrs)

Note: Students should consult with their advisor as to an appropriate combination of English courses.

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing

3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Appendix 3

Feedback from Insurance and Finance Companies that Recruit OSU Students Regarding Their Level of Interest in an Integrated Major in English and Math

Collected by Chunsheng Ban, Professor of Math, OSU

RE: Integrated Major at OSU
Martin Molloy [martin.molloy@aonhewitt.com]
Sent: Wednesday, September 30, 2015 5:40 PM
To: Ban, Chunsheng

As someone who majored in Actuarial Science with a minor in English, I find this very appealing.

I will circulate to others here to get their opinions. We can talk on Thursday about how much value this adds.

Martin E. Molloy, E.A., F.S.A. | Associate Partner
Aon Hewitt | Retirement and Investment
445 Hutchinson Ave. | Suite 900 | Columbus, OH 43235
t 614 825-9412 | f 614 436-7988
martin.molloy@aonhewitt.com | aonhewitt.com | retirementandinvestmentblog.aon.com

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RE: Integrated Major at OSU
Stang, Doug [Doug_Stang@CINFIN.com]
Sent: Thursday, October 01, 2015 2:14 PM
To: Ban, Chunsheng

Professor Ban,

I would be very interested in students with this major, and I think several of my Cincinnati colleagues would be interested in students with this major as well.

A persistent problem I encounter with actuaries, as a group, is a large portion of them do not like to write or they do not write well. Employers, as well as evolving actuarial standards of practice, continually call for more detailed, clearly written reports, analyses, and summaries of actuarial work. Meeting those demands has proven challenging, at times, because of the written-communication shortcomings of a significant portion of our actuaries.

The written-presentation skills (e.g., table, chart, and slide design) of a surprising number of our actuaries are also wanting.

I think employers would find students with this major attractive, were they to successfully combine the strong technical skills of the typical actuary with similarly strong written communication skills.

Thanks,

Doug

RE: Integrated Major at OSU
Ellwood, Cathy [Cathy.Ellwood@StateAuto.com]
Sent: Thursday, October 01, 2015 4:32 PM
To: Ban, Chunsheng
Cc: Schmidt, Leora [Leora.Schmidt@StateAuto.com]

Dr. Ban -

Absolutely! The students who stand out when we interview for summer intern opportunities or full-time jobs are those who have solid academics/healthy GPAs (3.0+), have passed at least one exam (required for full-time employment, but not internships), and are articulate in conversation and when discussing business topics. These are the types of students/candidates who can explain the technical analysis to business partners in layman's terms and who are able to take the results of the analysis and relay it in ways that their business partners can put into action. This is truly where "the rubber meets the road."

The combined major would further emphasize the importance of these two skill sets and how they relate to career success.

If you'd like to discuss further, don't hesitate to let me know.

You take care, and thanks for the opportunity to weigh in.

RE: Integrated Major at OSU
Fu, Luyang [Luyang_Fu@CINFIN.com]
Sent: Friday, October 02, 2015 8:26 AM
To: Ban, Chunsheng

Professor Ban,

My team have very unique demands. Personally, I do not care much about the additional English major. Most of my hires are experienced modelers at FCAS/ACAS level. My occasional entry-level hires are fresh Ph.Ds. Ph.Ds can usually communicate well (good written skills after the pain of writing a dissertation and good speaking skills from TA experience).

Having said that, communication is very important for actuaries. When making the hiring decisions, I evaluate candidates from three perspectives: know the business (insurance and actuarial stuff); know the technics (statistics such as regression, multivariate analysis, econometrics); know how to communicate. English major should help students to improve both written and oral communication skills.

Hope that my answers help.

Luyang

RE: Integrated Major at OSU
Lin, Ken [LinK@Grangeinsurance.com]
Sent: Friday, October 02, 2015 12:52 PM
To: Ban, Chunsheng

Hi Chunsheng,

I think the integrated Math/Actuarial Science and English major is a great idea. Often we come across candidates that are strong analytically but weak on communication, and it seems to me that this major would address that situation directly. So, 2 thumbs up from me - good luck and nice to see you again at the reception!

Best,
Ken

RE: Integrated Major at OSU
Steven Diamond [Steven.Diamond@safeauto.com]

Sent: Monday, October 05, 2015 8:07 AM
To: Ban, Chunsheng

Dear Chunsheng,

My corporate recruiter, Allison Thomas, and I enjoyed the ActSci reception you held on campus. We met many bright, young students who might be ideal candidates for our summer intern program.

Evan McKee, SVP of Product Management and I will be attending the CAS Seminar on the 20th. We look forward to participating in the evening's festivities. Evan will be on the panel to talk about SafeAuto.

In comment to your Math/ActSci and English program; I think communication skills are a critical component in today's workforce that is sometimes overlooked. It's a coincidence you mention this in your email. While I was speaking to a group of freshman students at the reception, I enlightened them on the importance of communication skills as a key competence when applying for an internship/job. I shared with them that when it comes time to finding employment, many candidates will have the same, if not better set of skills than them but what can separate them from the others is personality; the ability to communicate. So I definitely like integrating the two together.

I look forward to seeing you and the students again in a few weeks.

Kind regards,

Steve

RE: Integrated Major at OSU
Lacker, Kimberly E. [Kimberly.Lacker@cna.com]
Sent: Monday, October 05, 2015 9:30 AM
To: Ban, Chunsheng

Hi Professor Ban,

Thank you for having us at the reception! It was great to meet so many faculty and students, and we had a slate of really talented candidates interview the following day. We have several coming into our home office for the next round of interviews as well.

I spoke with the English professor who is involved in this initiative at the reception (her name is escaping me at the moment [Clare Simmons, Professor of English and Director of Undergraduate Studies]). In general, I think the integrated major is a great idea for students

who are interested in both Actuarial Science and English. We look for well-rounded students and this degree combination would likely offer a strong background for students looking to enter the profession. We often interview students with dual degrees and I see this as somewhat similar.

I will say that commitment to exams helps open the door for many students, so I would want to make sure this is not de-emphasized. Employers do want to see commitment to the profession but it sounds like the goal of this degree is still to produce a strong actuarial background, just with more focus on the communication and critical thinking side.

I would be curious to see course requirements for the major!

Best wishes and let me know if there is anything I can do to help.

Kim Lacker
(312) 822-6545

From: Stan Gozur [stan.gozur.m8p1@statefarm.com]
Sent: Thursday, October 08, 2015 10:36 AM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

Thanks for reaching out to us, Dr. Ban. As always, we had a pleasant visit to campus and enjoyed getting to meet your current crop of students.

From my perspective, the quality of your sophomore group is quite impressive. I was surprised how many underclassmen were concentrating on exam prep. Great job! I didn't get the chance to interact as much with your upperclassmen. Although our P&C area has decided not to bring anyone in for onsite interviews, we plan to keep an eye on your sophomores for next year.

Like I mentioned in our presentation to the club, keep encouraging your students to pursue leadership roles and similar opportunities that help round out their development. Along with internships, we place great consideration on students with leadership experiences, with the expectation that they continue to develop these skills upon hire. Active participation in leadership roles have helped us identify students with high initiative and often correlates with above-average communication and relationship building skills. Also, from a prior student's perspective, I encourage your students (especially the younger ones new to interviewing) to explore the resources available at the campus career center (e.g. mock interviews, resume writing, etc.). As you know, the more practice, the better your performance will be in an interview, just as with exams.

I reached out to my department leadership regarding your question on the Math/English dual major. What I gather is that it won't necessarily change our campus recruitment efforts. We

strive to recruit from a variety of majors, although most come from the traditional backgrounds of math, actuarial science and statistics. Just as important to major is the preferred qualifications such as GPA, exams passed, prior work experiences, etc.

Assuming a student can achieve the proposed dual major, we would still be interested mostly in their exam success and actuarial depth. The dual major itself wouldn't necessarily help or hurt your students' standing among peers in our eyes. Considering what I mentioned above about placing importance in a candidate's ability to communicate effectively and demonstrate leadership qualities, then I can see the dual major option being of value to students who may be looking to improve in those areas. As an interviewer, though, I personally would be interested to not just see in transcripts that they've taken these courses, but rather hear from them during the interview the benefits they've gained and how they've implemented the soft skills they've acquired.

One other thought from an interviewer's perspective: How committed to the actuarial profession and exam track are those with dual majors? This is a tough trait to gauge during an interview, and students can benefit by directly asserting their future intentions. It's tricky for us. On one hand, we strive for well-rounded students and want to see their expansive educational background; on the other hand, when we interview a student who has more than one major (often those with significantly different majors), we question if being a career actuary is their long-term goal. For those students with dual degrees who have a hard time clarifying their career intent, it can create a degree of uncertainty when comparing to equally-qualified candidates. It's not the dual degree that raises the flag, but rather any undecidedness an individual with a dual degree has regarding the direction of their career.

If you have other thoughts or questions, don't hesitate to reach back out to me. I'll do the same. Thanks again for your hospitality last week, we greatly appreciate it! Hope the remainder of the year goes smoothly!

Stan Gozur | P&C Actuarial
State Farm Insurance Companies
309.763.8151

From: GINNANS@nationwide.com [GINNANS@nationwide.com]
Sent: Thursday, October 08, 2015 3:05 PM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

As promised, here is a memo responding to your request. Please let me know if you have any questions or would like to have a follow-up conversation.

Take care,
Steve

October 8, 2015

From: Steve Ginnan, VP Chief Actuary

To: Dr. Chunsheng Ban

Re: Math/Actuarial Science and English Integrated Major at OSU

Hello,

Attached are the comments related to the questions you posed: "What do you think of the idea of this integrated major? Will you be interested in students from this major?"

I like the concept of integrating STEM with Humanities. We are always looking for candidates with coursework (and/or other experiences) beyond just the standard math needed to do actuarial work. OSU has certainly called out the right skills: quantitative, analytical thinking, critical thinking, and communication.

However for the humanities side of this, I don't exactly know how you are determining that English was the best fit to achieve your plan. I do like the idea of this well rounded major but feel "English" does not make me think the skills mentioned above will be adequately developed.

I solicited comments and suggestions from both the P&C and Life Actuarial leadership team here at Nationwide. They feel that the most successful associates are those who have strong soft skills in addition to strong analytical skills. Everyone (8 total) that gave responses feels this type of background would be beneficial particularly an integrated major that directly focuses on communication.

If you can't communicate the results of your analysis in a way that engenders trust and confidence, it doesn't really matter how good the analysis is. Explaining technical concepts to non-technical people in an easily understood manner and the ability to create simple pictures of the complex is a highly effective and productive competency. Communication encompasses both written and oral competencies. We routinely send associates to seminars where they are video taped giving an oral presentation in order to provide coaching and constructive feedback. Finally, a technical writing class such as you may find in an engineering school as well as how to compose a presentation for an executive committee would be very helpful.

Actuaries must have a strong command of such competencies as being a business advisor, influencing others, working across the organization, motivating, managing, strategic thinking, as well as being an Actuary!

It is not obvious that an integrated degree of English with Actuarial Science will assure that written and oral communication of the candidate will be superb, but it certainly is a step in a good direction. And to be fair, I do not have the anticipated course offering list to know which classes from the English major would be applicable.

In all, my associates like what you are trying to do although they feel English as a description is not very informative and as a math student coming out of high school it would

have had limited appeal. English brings the connotation of writing papers on books or may seem like it is geared towards the international community where English is a second language. Neither of these would be of the same value as what is described in this memo. Considering all of this, from a resume perspective, I would likely give extra consideration to a candidate with this integrated major more than just a normal actuarial science major. Thanks again for the opportunity to provide feedback.

Warm Regards,
Steve

From: Springer, Lorna (Cleveland) [lorna.springer@towerswatson.com]
Sent: Monday, October 26, 2015 7:03 AM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

Hello!

My apologies for the lateness of this email. I was going through to make sure I didn't miss anything and sure enough, I missed this!

I think that the stress on critical thinking and communication skills, in addition to the strong math background would be very beneficial to those students considering a consulting career. We do sometimes find students who are very bright and incredibly technical but perhaps aren't the best at explaining things or engaging in collaborative conversations, and it seems as if the additional focus would help with that. In addition, the English/communication skills focus could further prepare some of the international students who will eventually be taking the FAP modules.

As someone who was formerly heavily involved in recruiting, I would recommend developing some sort of notice or blast to the larger employers letting them know what the major is when they start to see it on resumes. I assume it will have "math" in the name, which is usually enough to catch our eye!

As I'm sure you know, this is only my personal opinion and not the overall Towers Watson opinion. I'd be happy to answer any other specific questions you have!

I hope all is well.

Lorna

From: Fazio, John (Cleveland) [john.fazio@towerswatson.com]
Sent: Thursday, November 05, 2015 1:01 PM
To: Ban, Chunsheng
Cc: Morrison, George (Cincinnati)

Subject: RE: Integrated Major at OSU

Dr. Ban:

Pardon the delay in my response. George Morrison circulated this among the senior actuary network, and the response was positive. Although most agreed technical skills were critical, most commented that there is a need to have good communications skills to be an actuary, especially if English is not the student's native language. That said, the focus of responses were on communications skills, so this may not be just course work from an English curriculum, but may also include Business Communications coursework.

Let us know if you have any questions.

John J. Fazio
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From: Mrozek, Matt [Matt.Mrozek@StateAuto.com]
Sent: Thursday, November 05, 2015 4:01 PM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

Dr. Ban,

Sorry for the delay in getting back to you. I reached out to several actuarial managers who hire for entry level positions. While there was unanimous agreement that communication skills are highly valued, there was some concern that a new major might be perceived as less technical. From your description the new major sounds like solid actuarial preparation. But that may be difficult for hiring managers to fully appreciate at the point they are reviewing resumes.

An alternative suggested by several folks would be to have focus areas or concentrations within the existing major. Focus areas could center around communication, analytical thinking, critical thinking, English language, leadership, statistics, business, risk management/insurance, etc., or some combination of elements. I think the suggestion is aiming at basically the same outcome -

- produce well-rounded students who can think and communicate. It's really more a matter of marketing to highlight the additional education (beyond pure actuarial) and minimize perception that there is any less technical preparation.

Hopefully this is useful and not too late. If there is anything else we can provide, please let us know. We very much appreciate the opportunity.

I hope the semester is going well for you. It's hard to believe that it's coming to an end already. Best of luck during these last few weeks.

Best regards,
Matt



Appendix 4

Survey of Local Businesses – surveys sent out by Eddie Pauline, Director of Buckeye Leadership Fellows Program in Fall 2015

My Report

Last Modified: 10/10/2015

1. Think of a job in your company for which it's a plus to have knowledge and experience in the field of the job, but it's not absolutely necessary. Two recent college graduates have emerged as finalists for this position. Which candidate would you be most likely to hire:

<u>#</u>	<u>Answer</u>		<u>Response</u>	<u>%</u>
<u>1</u>	<u>Candidate A, who has a college degree and has completed an internship in the field in which you are hiring, but has mediocre writing, oral communication, and critical thinking skills.</u>		<u>1</u>	<u>14%</u>
<u>2</u>	<u>Candidate B, who has a degree in a Humanities field (such as History, English, a foreign language, or Philosophy) and has excellent writing, critical thinking, and oral communication skills.</u>		<u>6</u>	<u>86%</u>
	<u>Total</u>		<u>7</u>	<u>100%</u>

Statistic	Value
Min Value	<u>1</u>
Max Value	<u>2</u>
Mean	<u>1.86</u>
Variance	<u>0.14</u>
Standard Deviation	<u>0.38</u>
Total Responses	<u>7</u>

2. Ohio State is considering the development of an integrated major in English and Math. The goal of the major would be to provide students with a well-rounded background in both Math and English, with students choosing one of four tracks (actuarial/financial, applied, theoretical, education). No matter which track they choose, students would do in-depth study in both Math and English. Their plan of study would culminate in a capstone experience in which they would work on an industry, non-profit, or business project requiring the integration of quantitative, analytical thinking, critical thinking, and communication skills. All other things being equal, how would you rate your interest in interviewing a recent college graduate with this degree:

#	Answer	Response	%
<u>1</u>	<u>I would be more likely to interview this candidate than others because of the degree.</u>	<u>3</u>	<u>43%</u>
<u>2</u>	<u>I would not be more interested in this candidate than others simply because of the degree.</u>	<u>4</u>	<u>57%</u>
	<u>Total</u>	<u>7</u>	<u>100%</u>

Statistic	Value
Min Value	1
Max Value	2
Mean	1.57
Variance	0.29
Standard Deviation	0.53
Total Responses	7

3. If you were to make one recommendation to colleges and universities about how they might better prepare graduates for jobs in your company, what would it be?

Text Response

Require internship and co-ops to be part of the main course work. Students need more exposure to the workforce. I think colleges and universities could also help more students understand how to translate and articulate their skills from the academic world to the working world.

Teach relevant things

mandate an internship, co op, or job shadow

I would suggest training in the areas of company analysis and research (how-to perform these actions), offer etiquette/business communications, and any type of training that would help students identify what type of working environment best fits their personality and desires. Not only is our company seeking candidates who meet our requirements and expectations, but we are looking for candidates who have a strong sense of where they see themselves in the workforce and future.

Communication skills must be high. The business environment is a collaborative one today and team work is critical. The foundation is listening and working together across diverse skill sets.

Basic competency skills like communication, collaboration, etc. are very important to us, however, no particular major means that a student as these skills. Because of this, we typically start with a major or academic path that aligns with what we are looking for and narrow it down from there based on the soft competences we look for.

Statistic	Value
Total Responses	6

Appendix 5

Capstone Course for the Integrated Major in Mathematics and English

(4420)

Profs. Daniel J. Thompson (Math)

and Zoë Brigley Thompson (English)

Email:

thompson.2455@osu.edu

thompson.3022@osu.edu

Math 4420, Cross-listed as English 4420

Bulletin Description: Math 4420/English 4420: IMME Capstone

Students combine the Mathematics and English knowledge and skills they have acquired in the integrated major through a capstone experience. **Prerequisites:** IMME junior or senior standing or permission of instructor.

Rationale

Students pursuing the Integrated Major in Mathematics and English will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. In their senior year, all integrated majors will take a capstone course that will provide an opportunity to combine and apply the full range of knowledge and skills they have acquired through their previous courses.

Learning Goals

Students who complete this capstone course will have a broader understanding of their own personal strengths and which jobs might require their particular set of skills, thus resulting in a student who is

more prepared for entering the workforce. Furthermore, students will learn how literary study can benefit from the skillset of a mathematician, and how a humanistic approach is valuable for both communicating, and understanding the context of, ideas in the mathematical sciences.

The course will be team-taught by Daniel J. Thompson from the Math Department, and Zoë Brigley Thompson in the English Department.

Topics Covered

Introduction: Writing Skills in Math and English

(Taught by Z.B.T and D.J.T.)

The course will open with Z.B.T and D.J.T. team-teaching a week that offers a crash course on writing skills not only in English, but also in Mathematics.

1. Rhetoric

a. Rhetoric: How to Employ Linguistic Sleight of Hand

(Taught by Z.B.T)

This section focuses on rhetoric, and the use of linguistic devices to persuade, influence and convert. It is essential for real-world communication skills to understand how these techniques work, and how students can use them to strengthen their delivery of particular information.

Set text: *Julius Caesar* by William Shakespeare and the film *Julius Caesar* (1953)

b. Proof: From correct to convincing

(Taught by D.J.T)

A mathematical theorem is a journey from a collection of hypotheses to a non-trivial conclusion. A proof of a theorem aims to convince a reader of the mathematical steps required to make this journey. There is a gulf between a proof that contains the right ingredients in the right order, and a clear exposition that communicates the ideas in an optimal way. An “optimal” proof is a matter of style and personal

taste, and is where the art comes into mathematical writing. We will look at these issues in the context of some proofs from elementary number theory and geometry. These skills will be useful for any kind of technical writing.

Set text: Lecture notes based on *Foundations of Mathematics* by Stewart and Hall

2. Rules and structure

a. The Poem: How to Work with Pattern and Form

(Taught by Z.B.T.)

This section will introduce students to a number of forms in poetry, and it will provoke discussion about pattern and form in language. Different forms will be considered such as the sestina which uses repeated end words; the sonnet which uses rhyme, meter, and other strictures; and cynghanedd which dictates repeated consonantal sounds and assonance. How do the strictures and patterns of poetic form shape thought and language? When part of the structure is there, how do writers go about filling in the blanks? The ability to complete patterns is a key aspect of creative and critical thinking, which is a key skill in real-world scenarios.

Set texts: a collection of poems including forms such as the sonnet, sestina, the pantoum, terza rima, and cynghanedd.

b. Elementary geometry: Euclidean and beyond

(Taught by D.J.T)

We will look at the incredible mathematics of the Greeks, including Euclid's axioms for geometry, and how these are used in proofs. Axioms can be thought of as a set of rules to determine a mathematical playground. Of particular interest is Euclid's parallel postulate (In a plane, given a line and a point not on it, there is a unique parallel line through that point), which he initially believed to be a consequence of the other axioms. A major development in the history of mathematics was the realization that the parallel postulate is independent of the axioms of Euclidean geometry, and can be replaced by alternative rules on parallel lines, leading to different geometries, i.e. projective geometry (infinitely many parallel lines) and spherical geometry (no parallel lines).

Set text: Lecture notes based on Jeremy Gray's *History of Mathematics*

3. Mathematical models

a. The Novel: How to Read Using Mathematical Models

[Taught by Z.B.T.]

Drawing on Franco Moretti's notion of "distant reading," this section will consider how one might read the novel differently using a more mathematical kind of mapping. Moretti employs graphs from quantitative history, maps from geography, and trees from evolutionary theory. We will apply Moretti's theories to the set texts, a technique which again relies on recognizing patterns as well as mapping spaces and events.

Set text: *The Great Gatsby* by F. Scott Fitzgerald

b. Population biology: the first mathematical models

(Taught by D.J.T)

We look at the early history of mathematical modeling in Biology: a new era was started when the gloomy English cleric Malthus wrote down an alarming equation for population growth. We will critique Malthus' model and look at Verhulst's more realistic Logistic model. We will discuss the benefits and points of caution of mathematic models in the natural sciences.

Set text: Lecture notes based on *Mathematical Models in Biology* by Edelstein-Keshet.

4. Randomness

a. Biography: How to Order the Chaos of a Life

[Taught by Z.B.T.]

How can we measure the random events of a life? Is there such a thing as fate, or is the course of human existence defined by anarchy and chaos? By looking at the biography of a particular mathematician, Alan Turing, we will consider not only his mathematical contribution, or the poignant events of his life, but also how his story is written and interpreted by the biographer. We will consider how the biographer organizes the narrative before him, and how the mere act of writing of a biography is a philosophical endeavor that imposes order on chaos. We will consider the choices made in writing about what detail to include and what to omit, and how the writer is always having to make choices about what is significant and worthy of attention, and what is not.

Set text: *Alan Turing: An Enigma* by Andrew Hodges and the film *The Imitation Game* (2015).

b. History of probability

(Taught by D.J.T)

We will look at the journey from deterministic to probabilistic mathematics embodied by mathematicians such as Pascal and Fermat. Initially, this study was motivated by a desire to understand gambling games popular in French society. Later on, the importance of these techniques to core mathematics and the natural sciences was understood, and developed by great mathematicians such as Laplace and Kolmogorov.

Course Conclusion

The conclusion to the course will include visits from business contacts from the Buckeye Leadership Fellows Program (Office of Student Life); a panel will see the students give a final presentation. Although the panel will provide feedback on the presentation, all grades will be assigned by the class instructor.

Assignments

Assignment	Percentage
Attendance and Class Contribution	10%
Midterm	25%
Presentation	15%
Capstone Project	50%

Midterm

The midterm will include a close analysis requiring knowledge of rhetorical and literary terms, and a demonstration of the ability to write clear and convincing proofs of simple results from elementary number theory and geometry.

Capstone Project

The course provides students with both a critical learning experience and an opportunity to synthesize and apply what they learned throughout the program. The final project is based on one of the four topics covered on the course. Students will be given a list of possible projects at the beginning of each section of the course, and they will be able to decide which element they would like to work on. The project will involve the often under-appreciated humanistic side of mathematics, with students encouraged to focus on an area of mathematics in its historical context; combining both a focus on exposition of ideas and its context in societal and philosophical change. This will be combined with an English project that involves engaging with linguistic devices, literary genres, and critical analysis.

Examples of projects:

Projects should incorporate mathematical and humanities components. This can be achieved in one of two ways:

(a) the critical analysis and the mathematics can be blended into one project. History of Mathematics projects would be particularly suited to this. For example, a project on the history of gambling in 17th century France, including analysis of a relevant text, with mathematical content given by exploring some of the mathematical contributions of Pascal and Fermat.

(b) the critical analysis and the mathematics components can be handled separately, but with some coherence in the choice of topics: e.g. a project on Topic 3. could incorporate a first part which uses Moretti's theories of mathematical models to analyze a text, and a second part which looks at a simple mathematical model in applied mathematics.

Under these criteria, there is a lot of latitude to choose appropriate projects.

In Topic 1 (Rhetoric), many projects of type (b) are possible through analysis of rhetoric in a suitable text, and exposition of a short proof from a classic text in mathematics.

In Topic 2 (Rules and structure), a project of type (b) could be suitable with a first part analyzing form in

poetry, and with a second part analyzing some axioms (say, of the natural numbers, or Euclidean geometry, etc). This topic also lends itself to an integrated historical project of type (a). For example, there is a fascinating historical back story to the discovery of projective geometry by Poncelet. This would be suitable for a history of mathematics project explaining both the mathematical ideas, and critical analysis involving literature from the time and societal context.

In Topic 3 (Mathematical Models), we already mentioned an example project: a first part which uses Moretti's theories of mathematical models to analyze a text, and a second part which looks at a simple mathematical model in applied mathematics.

In Topic 4 (Randomness / Biography): the choice of historical projects is limitless. There are many works on biography of fascinating mathematicians. An investigation of Turing's biography combined with an explanation of some of his mathematics would be a great project. A project based on the new book "Hidden Figures" by Margot Lee Shetterly concerning the contribution of black female mathematicians to NASA in the 1940's would also be a fantastic and timely project.

Timeline for projects:

We will discuss possible projects at the beginning of the course. Students who choose topics from later in the course will be able to plan with this in mind. The projects are really for independent study, particularly the biography oriented projects from the end of the course, so we see no problem with the projects being initiated early in the course in discussion with the class instructors, with material being reinforced as we cover these topics in class.

Schedule of Topics:

We work on the assumption that there are fourteen 165 minute classes.

Week 1: Introductory lectures: On the integration of the humanities and the mathematical sciences

Week 2: Rhetoric I

Week 3: Rhetoric II

Week 4: Rhetoric III

Week 5: Rules and structure I

Week 6: Rules and structure II

Week 7: Midterm

Week 8: Mathematical models I

Week 9: Mathematical models II

Week 10: Randomness I

Week 11: Randomness II

Week 12: Randomness III

Week 13: Presentations

Week 14: Presentations and concluding remarks

Catalog description:

The Capstone Course for the Integrated Major in Mathematics and English is at the intersection of these seemingly distinct fields. The focus is on commonalities and analogies between literary study and skills valuable in the mathematical sciences. Topics include writing styles in both English and Mathematics, structures in English and Math (form in poetry vs axioms in mathematics), and history and philosophy of mathematics from both a literary and scientific stand point.

This 3-credit course will meet once a week for a 165 minute class.

Purpose of course:

The purpose of the course is to demonstrate the full range of skills acquired through the Math and English curriculum, and to appreciate the value of a humanities background for certain scientific skills, and vice versa. Students will demonstrate skills that are valuable for employers by combining rigorous analytic skill, with the ability to communicate ideas, and understand ideas in societal context.

Textbook:

The math component will be based on new lecture notes using various sources as described in the course description. The English component will be based on various set texts as described in the course description.

Prerequisite:

The course is designed for students in the final year of IMME.

Disability Statement:

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone (614) 292-3307 and VRS (614) 429- 1334; webpage <http://www.ods.ohio-state.edu>.

Academic Misconduct Statement:

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term academic misconduct includes all forms of student academic misconduct wherever committed; illustrated by, but

not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct: <http://studentaffairs.osu.edu/resource>

Appendix 6

Curriculum Maps

Curriculum Map: Integrated Major in Math and English – Applied Math Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2255	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3607	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Stat 4202	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		

Methods Course (Choose one)						
English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	

English 3364			Intermediate	Intermediate	Intermediate	
English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	
English 3398			Intermediate	Intermediate	Intermediate	
English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
English 4533			Advanced	Advanced	Advanced	
English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
English 4564.01			Advanced	Advanced	Advanced	
English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	

English 4572			Advanced	Advanced	Advanced	
English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	
English 4574			Advanced	Advanced	Advanced	
English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Curriculum Map: Integrated Major in Math and English – Math Education Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2255	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3345	Advanced	Advanced				
Math 4504	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		

Methods Course (Choose one)						
English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	
English 3364			Intermediate	Intermediate	Intermediate	

English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	
English 3398			Intermediate	Intermediate	Intermediate	
English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
English 4533			Advanced	Advanced	Advanced	
English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
English 4564.01			Advanced	Advanced	Advanced	
English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	
English 4572			Advanced	Advanced	Advanced	

English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	
English 4574			Advanced	Advanced	Advanced	
English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Curriculum Map: Integrated Major in Math and English – Financial/Actuarial Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3618	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Math 5632	Advanced	Advanced				
Stat 4202	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		

Methods Course (Choose one)						
English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	
English 3364			Intermediate	Intermediate	Intermediate	
English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	

English 3398			Intermediate	Intermediate	Intermediate	
English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
English 4533			Advanced	Advanced	Advanced	
English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
English 4564.01			Advanced	Advanced	Advanced	
English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	
English 4572			Advanced	Advanced	Advanced	
English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	

English 4574			Advanced	Advanced	Advanced	
English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Curriculum Map: Integrated Major in Math and English – Theoretical Math Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2255	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3345	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Math 4547	Advanced	Advanced				
Math 4580	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		
Methods Course (Choose one)						

English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	
English 3364			Intermediate	Intermediate	Intermediate	
English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	
English 3398			Intermediate	Intermediate	Intermediate	

English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
English 4533			Advanced	Advanced	Advanced	
English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
English 4564.01			Advanced	Advanced	Advanced	
English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	
English 4572			Advanced	Advanced	Advanced	
English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	
English 4574			Advanced	Advanced	Advanced	

English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Appendix 7

English Concentration Advising Sheets

ENGLISH MAJOR – LITERATURE CONCENTRATION FOR PRE-EDUCATION (LIT-ED)

Department of English | The Ohio State University
 421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu
 Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students who intend to pursue further study and eventual licensure in Integrated Language Arts, Adolescence to Young Adult (Grades 7-12) by the State of Ohio should plan to complete the English Major – *Literature Concentration for Pre-Education Students* (LIT-ED). Once these students earn their B.A. in English, they typically go on to seek admission to either (a) a post-baccalaureate program in Integrated Language Arts with licensure, or (b) an M.Ed. program in Integrated Language Arts with licensure.

Students pursuing the English major – *Literature Concentration for Pre-Education* (LIT-ED) will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3398.

Survey of English Literature and Literary History (9 hrs total)

- ___ English 2201 British Literature: Origins to 1800 (3 hrs)
- ___ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)
- ___ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

English 2202 British Literature: 1800 to Present	English 2291 U.S. Literature: 1865 to Present
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Literature Concentration for Pre-Education Students (30 - 32 hrs total)

- ___ English 3398 Introduction to the Study of Literature (*minimum grade of C required*; 3 hrs)
- ___ Chose One Educational Field Experience Option (3 – 5 hrs)
- ___ EDUTL 2189 Field Experience (3 hrs) | ESCE 2891 (2 hrs) and ESCE 2189 (3 hrs) First Education Experience Program
- ___ EDUTL 3356 Literature for Adolescents (3 hrs)
- ___ English 4583 World Literature in English (3 hrs)
- ___ English 4592 Topics in Women in Literature and Cultures (3 hrs)
- ___ English 3271 Structure of the English Language (3 hrs) **OR** English 4570 Introduction to the History of English (3 hrs)
- ___ Choose One Shakespeare Course (3 hrs)

English 4520.01 Shakespeare	English 4520.02 Topics in Shakespeare
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- ___ Choose One Film Course (3 hrs; *honors students must take English 4578H [bolded] to fulfill this requirement*)

English 3378 Topics in Film & Lit	English 4578 Topics in Film	English 4578H Topics in Film
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- ___ Choose One U.S. Minority Literature Course (3 hrs)

English 4580 Topics in LGBTQ Literatures/Cultures	English 4586 Studies in American Indian Literature/Culture
English 4581 Topics in U.S. Ethnic Literatures	English 4587 Studies in Asian American Literature/Culture
English 4582 Topics in African-American Lit	English 4588 Studies in Latino/a Literature/Culture

- ___ Choose One Pre-1900 Literature Course at the 3000-level or higher (3 hrs; *honors students must take one of the [bolded] honors seminars to fulfill this requirement*)

4513 Intro to Medieval Lit	4540 19 th -Century British Poetry	4590.02H The Renaissance
4520.01 Shakespeare	4542 19 th -Century British Novel	4590.03H The Long 18th Century
4520.02 Topics in Shakespeare	4550 Topics in Colonial & Early National Lit of the U.S.	4590.04H Romanticism
4521 Renaissance Drama	4551 Topics in 19 th -Century U.S. Lit	4590.05H The Later 19th Century
4522 Renaissance Poetry	4552 Topics in American Poetry through 1915	4590.08H U.S. and Colonial Lit
4523 Topics in Renaissance Lit/Culture	4564.01 Major Author, Medieval & Renaissance British Lit	5710.01 Intro to Old English Language & Lit
4531 Restoration & 18th-Century Lit	4564.02 Major Author, 18 th - & 19 th -Century Lit	5720.01 Graduate Studies, Shakespeare
4533 Early British Novel: Origins to 1830	4564.03 Major Author, American Lit to 1900	5721.01 Grad Studies, Renaissance Drama
4535 Topics in Restoration & 18th-Century Lit/Culture	4590.01H The Middle Ages	5722.01 Grad Studies, Renaissance Poetry
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Although the following courses are not required to complete the English Pre-Education major, these courses are prerequisites for the Ohio State School of Teaching & Learning's M.Ed. program in English Education/Integrated Language Arts:

- Public Speaking Course: *Either* COMM 2110 *or* COMM 2131
- Intro to Exceptional Children: ESSPED 5650
- Adolescent Development: *Either* ESEPSY 5401 *or* PSYCH 3551

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HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

English majors who are members of the ASC Honors Program will complete all 13 course requirements (39 hours) as required by the English major program; however, they must:

- Take English 4578H to complete the Film requirement
- Choose One of the following courses to complete the Pre-1900 Literature requirement

4590.01H The Middle Ages	4590.04H Romanticism
4590.02H The Renaissance	4590.05H The Later 19th Century
4590.03H The Long 18th Century	4590.08H U.S. and Colonial Lit

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

Students planning to pursue *research distinction* in English will complete at least 4 credit hours of English 4999 (4999H for honors students), the course number assigned for work on undergraduate theses, in addition to the 39 hours required for the major. To graduate with research distinction in English students must meet the following requirements at the time of their graduation: (a) have completed 60 graded hours at Ohio State, (b) have at least a 3.0 cumulative grade point average (*note: the GPA requirement for honors students is 3.4*), and have successfully defended their thesis during an oral examination. Information about the thesis process and requirements can be found at <http://ascadvising.osu.edu/node/192>. Honors students should consult the information and requirements available at <http://aschonors.osu.edu/honors/research-thesis>.

All English majors are encouraged to consider completing a thesis under the direction of a faculty advisor(s). Thesis projects may involve the drafting of a scholarly research paper; the production of a novel, set of short stories, or collection of poems; the analysis of narratives and/or other qualitative data collected from a particular cultural or regional community; and/or the creation of a digital media artifact. Students are encouraged to talk with members of the English faculty and their English Undergraduate Advisors, as early as possible in their undergraduate careers, if they are interested in developing a thesis project or would like more information about the thesis process and requirements.

ENGLISH MAJOR – CREATIVE WRITING (CW) CONCENTRATION

Department of English | The Ohio State University

421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

SELECTIVE ADMISSIONS TO THIS CONCENTRATION

Students interested in the English major – *Creative Writing Concentration* (CW) should note that admission to this concentration is selective. Information sessions about the CW concentration and the application and admissions process will be held periodically throughout the academic year. Students should contact their English Advisor for details about upcoming info sessions.

Students may apply for admission to the CW concentration once they have completed a 2000-level creative writing workshop and are enrolled (and currently completing) a 3000-level workshop. To apply for admission, students should email samples of their best creative writing to the Undergraduate Program Manager, Pablo Tanguay, at tanguay.1@osu.edu by the 6th Friday of the Term (Fall, Spring, Summer). In this email, students should explain their interest in the CW concentration, what creative writing classes they have taken and who their instructors were, and provide brief descriptions (1 – 2 sentences) of their attached writing samples. Writing samples should not exceed 20 pages in length. The CW Concentration committee will then review the student's application and may request to meet with them before determining whether to admit the student to the CW concentration. Students who are not admitted to the CW concentration will work with their advisor to ensure that their creative writing courses can be used toward requirements on another English major concentration area.

ENROLLING IN 4000-LEVEL CREATIVE WRITING WORKSHOPS

Admission to the 4000-level creative writing workshops (i.e., 4565, 4566, and 4568) is by permission of the instructor. Students who have been admitted to the CW concentration and who wish to enroll in a 4000-level creative writing workshop in an upcoming term should email the faculty member assigned to teach that workshop as soon as possible. Students should send the faculty member creative writing samples along with a list of the creative writing courses the student has completed.

CW CONCENTRATION AND MAJOR REQUIREMENTS

Students pursuing the English major – *CW Concentration* will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3398.

Survey of English Literature and Literary History (9 hrs total)

___ English 2201 British Literature: Origins to 1800 (3 hrs)

___ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)

___ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present	2291 U.S. Literature: 1865 to Present
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Creative Writing Concentration (21 hrs total)

___ English 3398 Introduction to the Study of Literature (*minimum grade of C required; 3hrs*)

___ ___ Choose **Two** Creative Writing Workshops, each from a different genre (*i.e., fiction, nonfiction, or poetry; 6 hrs*)

2265 Writing of Fiction I	3465 Intermed. Creative Writing: Topics in Fiction	4565 Writing of Fiction II
2266 Writing of Poetry I	3466 Intermed. Creative Writing: Topics in Poetry	4566 Writing of Poetry II
2267 Intro to Creative Writing	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4568 Writing of Creative Nonfiction II
2268 Writing of Creative Nonfiction I	---	---

___ Choose **One** Creative Writing Workshop at the 3000-level or higher (3 hrs)

3465 Intermed. Creative Writing: Topics in Fiction	4565 Writing of Fiction II
3466 Intermed. Creative Writing: Topics in Poetry	4566 Writing of Poetry II
3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4568 Writing of Creative Nonfiction II

___ Choose **One** Creative Writing Workshop or Creative Writing Course at the 3000-level or higher (3 hrs)

3465 Intermed. Creative Writing: Topics in Fiction	3662 Intro to Literary Publishing	4568 Writing of Creative Nonfiction II
3466 Intermed. Creative Writing: Topics in Poetry	4565 Writing of Fiction II	4591.01H Topics in the Study of Creative Writing
3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4566 Writing of Poetry II	---

___ ___ Choose **Two** Creative Writing Workshop at the 4000-level or higher (6 hrs)

4565 Writing of Fiction II	4566 Writing of Poetry II	4568 Writing of Creative Nonfiction II
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Diversity in English Studies (3 hrs total)___ Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (6 hrs total)___ Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)___ Choose **One** English Course [**bolded**] *outside the CW Concentration* at the 3000-level or higher from the list below (3 hrs)**Note: Courses at the 3000-level that are outside the CW Concentration are [bolded]**

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Intemship
3364 Topics in Popular Culture	45675 Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
34675 Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

English majors who are members of the ASC Honors Program will complete all 13 course requirements (39 hours) as required by the English major program; however, at least 3 of these 13 courses must come from the following list of 4000-level English honors seminars:

4578H Special Topics in Film	4590.04H Romanticism	4590.08H U.S. and Colonial Lit
4590.01H The Middle Ages	4590.05H The Later 19th Century	4590.09 Topics in Lit & Literary Interpretation
4590.02H The Renaissance	4590.06H The Modern Period	4591.01H Topics in the Study of Creative Writing
4590.03H The Long 18th Century	4590.07H Lit in English After 1945	4591.02H Topics in the Study of Rhetoric

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

Students planning to pursue *research distinction* in English will complete at least 4 credit hours of English 4999 (4999H for honors students), the course number assigned for work on undergraduate theses, in addition to the 39 hours required for the major. To graduate with research distinction in English students must meet the following requirements at the time of their graduation: (a) have completed 60 graded hours at Ohio State, (b) have at least a 3.0 cumulative grade point average (*note: the GPA requirement for honors students is 3.4*), and have successfully defended their thesis during an oral examination. Information about the thesis process and requirements can be found at <http://ascadvising.osu.edu/node/192>. Honors students should consult the information and requirements available at <http://aschonors.osu.edu/honors/research-thesis>.

All English majors are encouraged to consider completing a thesis under the direction of a faculty advisor(s). Thesis projects may involve the drafting of a scholarly research paper; the production of a novel, set of short stories, or collection of poems; the analysis of narratives and/or other qualitative data collected from a particular cultural or regional community; and/or the creation of a digital media artifact. Students are encouraged to talk with members of the English faculty and their English Undergraduate Advisors, as early as possible in their undergraduate careers, if they are interested in developing a thesis project or would like more information about the thesis process and requirements.

ENGLISH MAJOR – LITERATURE CONCENTRATION

Department of English | The Ohio State University

421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students pursuing the English major – *Literature Concentration* will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3398.

Survey of English Literature and Literary History (9 hrs total)

___ English 2201 British Literature: Origins to 1800 (3 hrs)

___ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)

___ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present	2291 U.S. Literature: 1865 to Present
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Literature Concentration (18 hrs total)

___ English 3398 Introduction to the Study of Literature (*minimum grade of C required*; 3 hrs)

___ Choose **One** Pre-1800 English Literature Course (3 hrs)

4513 Intro to Medieval Lit	4533 Early British Novel: Origins to 1830	4590.03H The Long 18th Century
4520.01 Shakespeare	4535 Topics in Restoration & 18th-Century Lit/Culture	5710.01 Intro to Old English Language & Lit
4520.02 Topics in Shakespeare	4550 Topics in Colonial & Early National Lit of the U.S.	5720.01 Graduate Studies, Shakespeare
4521 Renaissance Drama	4564.01 Major Author, Medieval & Renaissance British Lit	5721.01 Grad Studies, Renaissance Drama
4522 Renaissance Poetry	4590.01H The Middle Ages	5722.01 Grad Studies, Renaissance Poetry
4523 Topics in Renaissance Lit/Culture	4590.02H The Renaissance	5723.01 Grad Studies, Renaissance Lit/Culture
4531 Restoration & 18th-Century Lit		

___ Choose **One** Pre-1900 English Literature Course (3 hrs)

Any Upper-Level Pre-1800 Lit Course	4551 Topics in 19 th -Century U.S. Lit	4564.03 Major Author, American Lit to 1900
4540 19 th -Century British Poetry	4552 Topics in American Poetry through 1915	4590.04H Romanticism
4542 19 th -Century British Novel	4564.02 Major Author, 18 th - & 19 th -Century Lit	4590.05H The Later 19 th Century

___ ___ ___ Choose **Three** Literature Course Elective at the 3000-level or higher (9 hrs)

3331 Thinking Theoretically	4550 Topics in Colonial & Early National Lit of the U.S.	4582 Topics in African-American Lit
3361 Narrative & Medicine	4551 Topics in 19th-Century U.S. Lit	4583 Topics in World Lit in English
3364 Topics in Popular Culture	4552 Topics in American Poetry Through 1915	4586 Studies in American Indian Lit/Culture
3372 Science Fiction and/or Fantasy	4553 20th-Century U.S. Fiction	4587 Studies in Asian American Lit/Culture
3378 Topics in Film & Lit	4559 Intro to Narrative & Narrative Theory	4588 Studies in Latino/a Lit/Culture
4400 Literary Locations	4560 Topics in Poetry	4589 Studying the Margins: Language, Power, & Culture
4513 Intro to Medieval Lit	4561 Studies in Fictional & Nonfictional Narrative	4590.01H The Middle Ages
4514 Middle English Lit	4562 Studies in Lit & the Other Arts	4590.02H The Renaissance
4515 Chaucer	4563 Contemporary Lit	4590.03H Long 18th Century
4520.01 Shakespeare	4564.01 Major Author, Medieval & Renaissance British Lit	4590.04H Romanticism
4520.02 Topics in Shakespeare	4564.02 Major Author, 18th- & 19th-Century British Lit	4590.05H The Later 19th Century
4521 Renaissance Drama	4564.03 Major Author, American Lit to 1900	4590.06H The Modern Period
4522 Renaissance Poetry	4564.04 Major Author, 20th-Century Lit	4590.07H Lit in English after 1945
4523 Topics in Renaissance Lit/Culture	4575 Topics in Literary Forms & Themes	4590.08H U.S. & Colonial Lit
4531 Restoration & 18th-Century Lit	4576.01 History of Critical Theory I: Plato to Aestheticism	4590.09H Topics in Lit & Literary Interpretation
4533 Early British Novel: Origins to 1830	4576.02 History of Critical Theory II: 1900 to Present	4592 Topics in Women in Literature/Culture
4535 Topics in Restoration & 18th-Century British Lit/Culture	4576.03 History of Critical Theory III: Issues & Movements	4595 Lit & Law
4540 19th-Century British Poetry	4578 Topics in Film	5664 Studies in Graphic Narrative
4542 19th-Century British Novel	4578H Topics in Film	5710.01 Intro to Old English Language & Lit
4543 20th-Century British Fiction	4579 Topics in Nonfiction	5720.01 Grad Studies in Shakespeare
4547 20th-Century Poetry	4580 Topics in LGBTQ Literatures/Cultures	5721.01 Grad Studies in Renaissance Drama
4549 Modern Drama	4581 Topics in U.S. Ethnic Literatures	5722.01 Grad Studies in Renaissance Poetry
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Diversity in English Studies (3 hrs total)___ Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (9 hrs total)___ Choose **One** English Course at the 2000-level or higher from the list below (3 hrs)___ Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)___ Choose **One** English Course [**bolded**] outside the LIT Concentration at the 3000-level or higher from the list below (3 hrs)**Note: Courses at the 3000-level that are outside the LIT Concentration are [bolded]**

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4593 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

English majors who are members of the ASC Honors Program will complete all 13 course requirements (39 hours) as required by the English major program; however, at least 3 of these 13 courses must come from the following list of 4000-level English honors seminars:

4578H Special Topics in Film	4590.04H Romanticism	4590.08H U.S. and Colonial Lit
4590.01H The Middle Ages	4590.05H The Later 19th Century	4590.09 Topics in Lit & Literary Interpretation
4590.02H The Renaissance	4590.06H The Modern Period	4591.01H Topics in the Study of Creative Writing
4590.03H The Long 18th Century	4590.07H Lit in English After 1945	4591.02H Topics in the Study of Rhetoric

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

Students planning to pursue *research distinction* in English will complete at least 4 credit hours of English 4999 (4999H for honors students), the course number assigned for work on undergraduate theses, in addition to the 39 hours required for the major. To graduate with research distinction in English students must meet the following requirements at the time of their graduation: (a) have completed 60 graded hours at Ohio State, (b) have at least a 3.0 cumulative grade point average (*note: the GPA requirement for honors students is 3.4*), and have successfully defended their thesis during an oral examination. Information about the thesis process and requirements can be found at <http://ascadvising.osu.edu/node/192>. Honors students should consult the information and requirements available at <http://aschonors.osu.edu/honors/research-thesis>.

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ENGLISH MAJOR – WRITING, RHETORIC, & LITERACY (WRL) CONCENTRATION

Department of English | The Ohio State University

421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students pursuing the English major – *WRL Concentration* must complete 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3379.

Digital Media Studies Requirement (0 hrs total)

_____ Choose **One** Digital Media Studies Course (0 hrs; *this is an overlapping requirement**)

2269 Digital Media Composing	4569 Digital Media & English Studies
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*This is an overlapping requirement. Students should plan to take either (a) English 2269 Digital Media Composing, which will fulfill the 2000-level elective requirement under the Electives in English Studies category below, or (b) English 4569 Digital Media & English Studies, which will fulfill the Writing and Writing Studies requirement or one of the WRL Course Elective requirements.

Survey of English Literature and Literary History (9 hrs total)

_____ English 2201 British Literature: Origins to 1800 (3 hrs)

_____ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)

_____ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present	2291 U.S. Literature: 1865 to Present
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Writing, Rhetoric, & Literacy Concentration (18 hrs total)

_____ English 3379 Introduction to Writing, Rhetoric, & Literacy (*minimum grade of C required*; 3 hrs)

_____ Choose **One** Writing and Writing Studies Course (3hrs)

3304 Business & Professional Writing	3467S Issues & Methods in Tutoring Writing	4569 Digital Media & English Studies
3305 Technical Writing	4150 Cultures of Professional Writing (CSTW 4150)	---
3405 Topics in Professional Communication	4567S Rhetoric & Community Service	---

_____ Choose **One** Rhetorical Studies Course (3 hrs)

4573.01 Rhetorical Theory & Criticism	4574 History & Theories of Writing
4573.02 Rhetoric & Social Action	4591.02H Topics in the Study of Rhetoric
4555 Legal Rhetoric and Argumentation	4555 Rhetoric and Legal Argumentation

_____ Choose **One** Literacy and Language Studies Course (3 hrs)

4571 Studies in English Language	4584 Topics in Literacy Studies	3271 Structure of the English Language
4572 Traditional Grammar & Usage	4585 History of Literacy	----

_____ Choose **Two** WRL Course Elective at the 3000-level or higher (6 hrs)

3271 Structure of the English Language	4150 Cultures of Professional Writing (CSTW 4150)	4573.01 Rhetorical Theory & Criticism
3304 Business & Professional Writing	4567S Rhetoric & Community Service: A Writing Seminar	4573.02 Rhetoric & Social Action
3305 Technical Writing	4569 Digital Media & English Studies	4574 History & Theories of Writing
3405 Topics in Professional Communication	4570 Intro to the History of English	4584 Topics in Literacy Studies
3467S Issues & Methods in Tutoring Writing	4571 Studies in the English Language	4585 History of Literacy
3597.03 Environmental Citizenship	4572 Traditional Grammar & Usage	4591.02H Topics in the Study of Rhetoric

Diversity in English Studies (3 hrs total)

_____ Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (9 hrs total)

_____ Choose **One** English Course at the 2000-level or higher from the list below (3 hrs)

_____ Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)

_____ Choose **One** English Course [**bolded**] outside the WRL Concentration at the 3000-level or higher from the list below (3 hrs)

Note: Courses at the 3000-level that are outside the WRL Concentration are [bolded]

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4572 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

English majors who are members of the ASC Honors Program will complete all 13 course requirements (39 hours) as required by the English major program; however, at least 3 of these 13 courses must come from the following list of 4000-level English honors seminars:

4578H Special Topics in Film	4590.04H Romanticism	4590.08H U.S. and Colonial Lit
4590.01H The Middle Ages	4590.05H The Later 19th Century	4590.09 Topics in Lit & Literary Interpretation
4590.02H The Renaissance	4590.06H The Modern Period	4591.01H Topics in the Study of Creative Writing
4590.03H The Long 18th Century	4590.07H Lit in English After 1945	4591.02H Topics in the Study of Rhetoric

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

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All English majors are encouraged to consider completing a thesis under the direction of a faculty advisor(s). Thesis projects may involve the drafting of a scholarly research paper; the production of a novel, set of short stories, or collection of poems; the analysis of narratives and/or other qualitative data collected from a particular cultural or regional community; and/or the creation of a digital media artifact. Students are encouraged to talk with members of the English faculty and their English Undergraduate Advisors, as early as possible in their undergraduate careers, if they are interested in developing a thesis project or would like more information about the thesis process and requirements.

ENGLISH MAJOR – FOLKLORE (FLK) CONCENTRATION

Department of English | The Ohio State University
421 Denney Hall | 164 W. 17th Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students pursuing the English major – *FLK Concentration* will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 2270.

Survey of English Literature and Literary History (9 hrs total)

- English 2201 British Literature: Origins to 1800 (3 hrs)
- English 2290 Colonial & U.S. Literature to 1865 (3 hrs)
- Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present	2291 U.S. Literature: 1865 to Present
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Folklore Concentration (18 hrs total)

- English 2270 or English 2270H Introduction to Folklore (*minimum grade of C required*; 3 hrs)
- English 4571 Studies in the English Language, or a pre-approved sociolinguistics course at the 3000-level or higher (3hrs)
- English 4590.04H Romanticism, or a pre-approved Romanticism course at the 3000-level or higher (3 hrs)
- Choose **Two** Folklore Courses in English at the 3000-level or higher (6 hrs)

4577.01 Folklore I: Groups & Communities	4577.03 Folklore III: Issues & Methods
4577.02 Folklore II: Genres, Form, Meaning, & Use	4597.02 American Regional Cultures in Transition

- Choose **One** Folklore Course in English or any other department at the 2000-level or higher (3 hrs)

See attached list of Folklore Courses Offered in Other Departments	4577.03 Folklore III: Issues & Methods
4577.01 Folklore I: Groups & Communities	4597.02 American Regional Cultures in Transition
4577.02 Folklore II: Genres, Form, Meaning, & Use	

Diversity in English Studies (3 hrs total)

- Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (9 hrs total)

- Choose **One** English Course at the 2000-level or higher from the list below (3 hrs)
- Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)
- Choose **One** English Course [**bolded**] *outside the FLK Concentration* at the 3000-level or higher from the list below (3 hrs)

Note: Courses at the 3000-level that are outside the FLK Concentration are [bolded]

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods

For students admitted to the major Fall 2014 or later: 2 of 2

2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
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3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
34675 Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

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Folklore electives at the 2000-level or higher

Comparative Studies

2105 Literature and Ethnicity
 2214 Intro to Sexuality Studies
 2220 Intro to South Asian Studies
 2264 Reading Popular Culture
 2265 Intro to Visual Representation
 2301 Intro to World Literature
 2321 Intro to Asian American Studies
 2322 Intro to Latino/a Studies
 2340 Intro to Cultures of Science and Technology or 2341 Technology, Science, and Society
 2343 Slavery, Gender, and Race in the Atlantic World
 2350 Intro to Folklore
 2360 Intro to Comparative Cultural Studies
 2370 Intro to Comparative Religion
 2864H Modernity and Postmodernity: Issues and Ideas
 3302 Translating Literatures and Cultures
 3603 Love in World Literature
 3604 Women in East Asian and Asian American Literature
 3606 The Quest in World Literature
 3620 Everyday Life in South Asia
 3646 Cultures, Natures, Technologies
 3657 Contemp Folklore in the Arab World
 3671 The Religions of India
 3672 Native American Religions
 3673 the Buddhist Tradition
 3674 African Religions
 3675 Religions of Mesoamerica
 3677 South Asian American Religion & Culture
 3678 Religion and American Culture
 3686 Cultural Studies of American Musics
 3689 Transnationalism & Culture in the Americas
 3990 Approaches to Comparative Studies
 4564 Topics in Literacy Studies
 4565 History of Literacy
 4655 Studies in Ethnography
 4658 Folklore of the Americas
 4661 The City and Culture
 4685 Comparative Ethnic and American Studies
 4803 Asian American Literature and Culture
 4804 Latino/a Literature and Culture
 4805 Literature of the Americas
 4822 Native American Identity
 4845 Gender, Sexuality, and Science
 4846 Social Studies of Objects and Networks
 4871 Religion and American Politics
 4872H Varieties of Christianity

4873 Contemporary Religious Movements in Global Context
 4874 New Age and New Religious Movements
 4875 Gender, Sexuality, and Religion
 4876 Comparative Sacred Architectue
 4877 Myth and Ritual
 4878 Rites, Ritual, and Ceremony
 4903 World Literature: Theory and Practice
 4921 Intersections: Approaches to Race, Gender, Class, and Sexuality
 4972 Theory and Method in the Study of Religion
 5602 Poetry and Politics in the 20th-century Mediterranean
 5668 Studies in Orality and Literacy
 5691 Topics in Comparative Studies
 5864 Modernity and Postmodernity: Concepts and Theories
 5871 Japanese Religious Traditions
 Comparative Folklore
 Folklore in Circulation
 5970 Foundational Approaches to the Study of Religion
 5971 Contemporary Approaches to the Study of Religion

African American and African Studies

2080 African American History to 1877
 2081 African American History from 1877
 2085 Exploring Race and Ethnicity in Ohio: Black Ohio in the 19th Century
 2201 Major Readings in African American and African Studies
 2218 Black Urban Experience
 2251 Introduction to African Literature
 2253 Introduction to Caribbean Literature
 2270 Intro to Black Popular Culture
 2281 Intro to African American Literature
 2288 Bebop to Doowop to Hiphop: The Rhythm and Blues Tradition
 2290 Black Youth
 3080 Slavery in the United States
 3081 Free Blacks in Antebellum America
 3082 Black Americans during the Progressive Era
 3083 Civil Rights and Black Power Movements'
 3086 Black Women in Slavery and Freedom
 3089 Studies in African American History
 3230 Black Women: Culture and Politics
 3310 Global Perspectives on the African Diaspora
 3320 History of African Cinema
 3342H Music, Religion, and Ritual in Africa

3376 Arts and Cultures of Africa and the Diaspora

3440 Theorizing Race
 3451 Themes in Francophone African and Caribbean Literature
 4378 History of Jazz
 4452 Swahili Literature I
 4453 Swahili Literature II
 4460 Theories in Africana Literature
 4535 Topics in Black Masculinity
 4551 Topics in African American Lit
 4565 Topics in African Diaspora Studies
 4570 Theorizing Colonialism in the Post-Colonial
 4571 Black Visual Culture and Popular Media
 4582 Studies in African American Literature
 4584H Lit & Modern Experience in Africa
 4921 Intersections: Approaches to Race, Gender, Class, and Sexuality

Anthropology

2202 Peoples & Cultures: Introduction to Cultural Anthropology
 2241 The Middle East Close-Up: People, Cultures, Societies
 3334 Zombies: The Anthropology of the Undead
 3417 Regional Survey of China
 3418 Regional Survey of the Anthropology of Africa
 3419 Regional Survey of Latin American Cultures and Migration in Global Perspective
 3420 Regional Survey of the Indians of N. America
 3525 History of Anthropological Theory
 5601 Sociocultural Aspects of Health
 5614 Ethnobotany
 5621 Anthropology of Women
 5622 Peasant Society and Culture
 5623 Cultural Ecology
 5624 Anthropology of Food: Culture, Society, and Eating
 5625 Anthropology of Religion
 5626 Economic Anthropology

Arabic

2241 Culture of the Contemporary Arab World
 2705 The Arabian Nights
 3301 Contemporary Folklore in the Arab World
 5701 The Qu'ran in Translation
 5702 Arabic Folk Narrative in Translation
 5703 Common Heritage: Biblical Figures in the Qu'ran

Chinese

2231 Traditional Chinese Culture

2232 Modern Chinese Culture
 4406 China Pop: Contemporary Popular Culture and Media in Greater China
 4407 Eco-Literature in China
 5400 Performance Traditions of China
 5474 Chinese Opera

Classics

2201 Classical Civilization: Greece
 2202 Classical Civilization: Rome
 2203 Byzantine Civilization: Constantinople and the Empire of New Rome
 2204 Medicine in the Ancient World
 2205 Sports & Spectacles in the Ancient World
 2220 Classical Mythology
 2890H Topics in Ancient Literature and Society
 3100 Topics in Ancient Literature and Culture
 3101 Greek and Roman Epic
 3215 Sex and Gender in Greece and Rome
 3401 Religion in the Graeco-Roman World
 3402 Ancient Gods, Changing Identities
 3403 The Hero in Classical Mythology
 3405 Christians in the Greco-Roman World
 3408 Ancient Roman Religion

East Asian

3223 The Buddhist Tradition
 3241 Thought in China, Japan, and Korea
 3299H East Asian Thought in the Western Imagination
 3446 Asian American Film
 3457 East Asian Folklore
 5475 Women Writers, Culture, and Society in East Asia
 5477 Performance Traditions in Contemporary East Asia

English

2264 Intro to Popular Culture Studies
 2270 Intro to Folklore
 2277 Introduction to Disability Studies
 2280 The English Bible
 2281 Intro to African-American Literature
 2282 Intro to Queer Studies
 2367.05 The U.S. Folk Experience
 3361 Narrative and Medicine
 3364 Special Topics in Popular Culture
 4559 Intro to Narrative and Narrative Theory
 4562 Studies in Literature and the Other Arts
 4571 Studies in the English Language Rhetorical Theory and Criticism Rhetoric and Social Action Folklore I: Groups and Communities

Folklore II: Genres, Form, Meaning, and Use
 Folklore III: Issues and Methods
 4580 Special Topics in LGBTQ Literatures and Cultures
 4581 Special Topics in U.S. Ethnic Literatures
 4582 Studies in African American Literature
 4583 Special Topics in World Literature in English
 4584 Special Topics in Literacy Studies
 4585 History of Literacy
 4586 Studies in American Indian Literature & Culture
 4587 Studies in Asian American Literature and Culture
 4588 Studies in Latino/a Literature and Culture
 4592 Special Topics in Women in Literature and Culture
 4597.02 American Regional Cultures in Transition
 4601 Language and the Black Experience

French

2501 Topics in French Literature and Culture in Translation
 *3201 French Literary and Visual Texts
 *3202 Literary and Visual Texts of the Francophone World
 *3402 Introduction to Francophone Cultures
 *3403 Topics in French-Speaking Cultures
 3801 French-American Culture Wars

German

2251 German Lit & Popular Culture
 3252 The Holocaust in Literature and Film

Hebrew

2210 The Jewish Mystical Tradition
 2241 Culture of Contemporary Israel
 2703 Prophecy in Biblical and Post-Biblical Literature
 2704 Women in the Bible and Beyond
 2705 The Holocaust in Literature and Film

History

2045 History of American Religion to the Civil War
 2070 Introduction to Native American History
 2071 American Indian History of the U.S. Midwest
 2075 Introduction to U.S. Latino/a History
 2079 Asian American History
 2080 African American History to 1877
 2081 African American History from 1877
 2110 Intro to Native American Peoples from Mesoamerica

2111 Intro to Native American People of the Andes
 2115 Women and Gender in Latin America
 2120 Revolutions and Social Movements in Modern Latin America
 2270 Love in the Modern World
 2275 Children and Childhood in the Western World
 2455 Jews in American Film
 2610 Introduction to Women and Gender in the U.S.
 2620 Women Changing the World: Histories of Activism and Struggle
 2630 History of Modern Sexualities
 2750 Natives and Newcomers: Immigration and Migration in U.S. History
 3070 Native American History from European Contact to Removal, 1560-1820
 3071 Native American History from Removal to Present
 3075 Mexican American Chicano/a History
 3080 Slavery in the United States
 3081 Free Blacks in Antebellum America
 3082 Black Americans during the Progressive Era
 3083 Civil Rights and Black Power Movements
 3085 African American History through Contemporary Film
 3086 Black Women in Slavery and Freedom
 3089 Studies in African American History
 3230 Black Women: Culture and Politics
 3310 Global Perspectives on the African Diaspora
 3352 Marginal Groups in the Non-Western World
 3600 Studies in Women's and Gender History
 3612 Asian American Women: Race, Sex, and Representations
 3630 Same-Sex Sexuality in a Global Context
 3640 Medieval Women: Power, Piety, and Production
 3641 Women and Gender in Early Modern Europe: 1450-1750
 3642 Women in Modern Europe, from the 18th Century to the Present
 3650 Families in Historical Perspective
 3750 Race, Ethnicity, and History in Global Perspective
 4585 History of Literacy

International Studies

4800 Cultural Diplomacy

Japanese

2231 Elements of Japanese Culture
 4400 Japanese Film and Visual Media
 5400 Performance Traditions of Japan

Jewish Studies

2201 Intro to Jewish Studies
2210 The Jewish Mystical Tradition
2241 Yiddish Culture
2242 Culture of Contemporary Israel
2454 History of Anti-Semitism
2475 History of the Holocaust
3465 American Jewish History

Korean

2231 Elements of Korean Culture
5256 Interdisciplinary Topics in Korean
Politics and Society
5400 Performance Traditions of Korea
Literature
5455 Interdisciplinary Courses in Korean
Art, Music, Film, and Theatre

Medieval and Renaissance Studies

2666 Magic and Witchcraft in the Middle
Ages and Renaissance
4504 The Arthurian Legends

Modern Greek

2410 Culture of Contemporary Greece
H2500 Greek Identities: Ancient and
Modern
2680 Folklore of Contemporary Greece

Music

2250 Music Cultures of the World
2252 History of Rock and Roll
2253 Intro to Jazz
2288 Bebop to Doowop to Hiphop: The
Rhythm and Blues Tradition
3341 American Popular Music
3348 Music on the Move in a Globalized
World
3351 The World of Music
5675 Russian Folk Tradition

Near Eastern Languages and Cultures

2220 Intro to South Asian Studies
2241 The Middle East Close-Up: People,
Cultures, Societies
3101 Language Evolution and Language
Change
3201 Islam in the U.S.
3204 The Middle East in the Media 3205
Women in the Muslim Middle East 3501
Introduction to Islam
3620 Everyday Life in South Asia 3700
Mythology of Ancient Egypt and
Mesopotamia
3702 Literatures and Cultures of the
Islamic World
4597 Islamic Revival and Social Justice:
Utopian Ideals and Lived Realities
4601 Israeli and Palestinian Literature
5112 Languages and Cultures of the
Middle East
5204 Culture and Politics in Central Asia
5206 Colonial Cities in Postcolonial
Memory: The Politics of Urban
Development in the Middle East

5241 Interdisciplinary Approaches to
South Asian Studies
5575 Intellectuals in the Middle East
5668 Studies in Orality and Literacy
5672 Poetry and Politics in the
Mediterranean

Persian

2241 Persian Culture
2301 Persian Mythology and Folklore
2704 Intro to Persian Epic

Portuguese

2330 Intro to Brazilian Culture
2331 Portuguese Culture and Society
2335 Cannibal Brazil: Cultural
Encounters & Negotiations of
Identity in Lit & Culture
4560 Cultural Expressions of Portugal
and Lusophone Africa
4561 Cultural Expressions of Brazil
4597.01 Coloniality and Postcoloniality
in the Literatures of Portugal and
Portuguese-Speaking Africa

Rural Sociology

5520 Amish Society
5570 Women in Rural Society

Russian

2335 Russian Culture
3644 Russian Fairy Tales and Folklore

Scandinavian

3350 Nordic Mythology and Medieval
Culture

Slavic

2230 Vampires, Monstrosity, and Evil:
from Slavic Myth to Twilight
2345 Intro to Slavic & East European
Literature & Culture
3360 Screening Minorities:
Representations of the Other in
Slavic Film
4560H Cinderella's Fantasy: Gender &
Women in Western and Eastern
Europe

Sociology

2380 Racial and Ethnic Relations in
America
2382 Sociology of Asian American Life

Spanish

2330 Reinventing America
2331 Caribbean Cultures
2332 Introduction to Andean and
Amazonian Cultures
2510 Mexican Studies
4555 Indigenous and Colonial
Literatures of Spanish America
4557.10 Intro to Latino Literature in the
U.S.

4557.20 Intro to Other Latino Literature
in the U.S.
4560 Introduction to Spanish American
Culture
4561 Introduction to the Culture of
Spain
4565H Latin American Indigenous
Literatures and Cultures
4567 Spanish Mosaic: Catalonia, Basque
Country, Galicia and Andalusia
4590H Interdisciplinary Protocols:
Identity and National Formation in
Latin America: Perspectives from
Literature

Turkish

2241 Turkish Culture
5241 Travels in Turkey

Women's, Gender, and Sexuality Studies

2230 Gender, Sexuality, and Race in
Popular Culture
2282 Intro to Queer Studies
2300 Approaches to Feminist Inquiry
2305 Gender and Sexuality in Global
Perspective
2306 Girlhood
2340 Latina Experience in the U.S.
2550 History of Feminist Thought
2750H Natives and Newcomers: U.S.
Immigration and Migration
3306 Gender, Media, and New
Technologies
3320 Topics in Women's, Gender, and
Sexuality Studies
3370 Sexualities and Citizenship
3505 Feminist Perspectives on
Globalization
3530 Women, Environment, and
Development
4375 Women and Visual Culture
4401 Asian American Women: Race,
Sex, and Representations
4402 Black Women: Representations,
Politics, and Power
4404 Regulating Bodies: Global Sexual
Economies
4405 Race and Sexuality
4510 American Women's Movements
4520 Women of Color and Social
Activism
4524 Women and Work
4527 Studies in Gender and Cinema
4560 Chicana Feminism
4575 Women's Studies Senior Seminar
4576 Women and Visual Culture in Latin
America
4597 Gender and Democracy in the
Contemporary World
4845 Gender, Sexuality, and Science
4921 Intersections: Approaches to Race,
Gender, Class, and Sexuality
5623 African Women: History and
Socioeconomic Change
5624 Women and Social Change in Latin
America

Yiddish

2241 Yiddish Culture

3399 The Holocaust in Yiddish and
Ashkenazic Literature & Film

Proposal: New Integrated Undergraduate Major in Mathematics and English

Catalogue style description:

The integrated major in Mathematics and English (here abbreviated to IMME) is a joint venture between the two departments. It enables students to acquire expertise in both fields and concludes with a capstone course combining the integrated skills developed in coursework. English coursework is very flexible; Math coursework will follow one of four tracks: Applied Math; Education; Finance and Actuarial Science; and Theory.

1. General Information

The **title** of the proposed new major is **Integrated Major in Mathematics and English**.

Degree students completing the major will receive: B.S. (Bachelor of Science); they will pursue one of four concentrations: Actuarial/Finance, Applied, Math Education, and Theoretical

Proposed implementation date: Autumn 2018

Academic units responsible for administrating the major program: Mathematics and English

2. Rationale

Overview

The proposed Integrated Major in Mathematics and English is a collaborative effort between the two departments. A few major universities (e.g., Stanford) are now offering similar undergraduate programs, and we believe that The Ohio State University has the resources to become a leader in an emergent field. The primary objective is to offer undergraduates the opportunity to develop a set of skills that will equip them not only for employment and graduate school, but for long-term career success. An integrated major offers a different experience from a dual major or a major with minor since it encourages participants to think of the two fields of study not as distinct but as complementary. Since it requires only the credit hours of a single major, it should also be possible for students to complete the major program within four years, which can be a challenge with a double major. We believe that the Integrated Major has potential for recruiting high-achieving students to The Ohio State University, where they will follow a curriculum in both departments and complete the program with an experiential capstone project integrating the skills acquired in each discipline.

Why Mathematics and English?

Mathematics and English are two core subjects in the College of Arts and Sciences. Both attract large numbers of majors (currently around 1200 Math majors and 600 English majors), and so identifying enough students to create an integrated program should not be difficult. We hope, though, that if this collaborative program proves successful it could serve as a pilot for other integrated majors.

In combination, English and Mathematics teach students complementary skills. Liberal Arts majors learn critical thinking and analytical skills. In addition, the English program's strong emphasis on reading and writing teaches the ability to empathize, to process information, and to communicate, skills that employers constantly claim they need and that Math majors are sometimes seen as lacking. Mathematics teaches precision in modeling and in analyzing real-world problems, and involves skills in calculation and numerical analysis that are not typically part of a liberal arts program.

At the same time, the integrated major would be an advantage to many students intending to continue on to graduate school or a professional program, including those interested in law, medicine, business, and of course education. Where possible, students would be assisted in completing a capstone experience appropriate to their long-term plans.

This major could also be a means of recruiting high-achieving students to the College of Arts and Sciences. The program should be attractive both to ambitious students seeking a challenge and to parents of prospective students, who often express reservations about the long-term value of majors that do not seem to lead directly to employment.

Finally, this is the sort of program that is likely to attract support from employers and sponsors. It demonstrates that we are committed to teaching our students to think and communicate well, while ensuring that their education is helping to prepare them for the real world.

How assessment data has been used

We are proposing this major in response to requests from students and their families, who have expressed a desire for the skills necessary for success on the job market and in their subsequent careers. The concept was also developed with the support of prospective employers, who when surveyed generally responded enthusiastically to the idea of a major integrating verbal and numerical skills (see Appendices 3 and 4). It demonstrates that we are committed to teaching our students to think, while ensuring that their education is helping to prepare them for the real world. Their enthusiasm reflects trends reported recently in major media and research sources that employers are seeking college graduates who have both technical expertise and "soft skills" such as writing, communication, critical thinking, creativity, and sociability. For

instance, *Forbes* recently noted that “People with balanced strengths in social and math skills earn about 10% more than their counterparts who are strong in only one area.”¹ Similarly, a 2013 survey by Hart Research Associates, conducted on behalf of the Association of American Colleges and Universities, found that most employers agree that “having both field-specific knowledge and skills and a broad range of skills and knowledge is most important for recent college graduates to achieve long-term career success. Few think that having field-specific knowledge and skills alone is what is most needed for individuals’ career success.”²

The integrated major in English and Math is thus one attempt to address multiple calls, locally and nationally, for college graduates whose knowledge base and skills sets combine aptitudes and expertise associated with both the STEM fields and the Humanities.

Appropriateness to Ohio State

Ohio State has, we believe, the largest number of Mathematics and English majors of any institution in the state of Ohio; we have well-prepared undergraduates and highly qualified faculty with a broad range of expertise. We also have contacts with many prospective employers and/or sponsors for internships. Finally, the unification of the College of Arts and Sciences provides both opportunity and infrastructure (e.g., curricular, advising) for facilitating the development of an integrated major such as this within the College.

Benefits to Students

First, we would suggest that students who complete this program including the final capstone experience/internship would immediately be ahead of most of job market candidates in the range of skills that they could offer an employer. Students from both Math and English often find first jobs in banks, insurance, marketing, consulting, non-profit organizations, and other fields that require both some mathematical awareness and strong communication skills. Skills in analysis and communication become even more important for workers seeking promotion to management or supervisory positions.

Second, we see this program as a means of recruiting high-achieving students to the College of Arts and Sciences at The Ohio State University. Students with potential in both English and Math can readily be identified through the ACT and admissions process, and this program would be a valuable one for targeted recruiting. The program should be attractive both to

¹ George Anders, “That ‘Useless’ Liberal Arts Degree Has Become Tech’s Hottest Ticket,” *Forbes* (29 July 2015): http://www.forbes.com/sites/georgeanders/2015/07/29/liberal-arts-degree-tech/3/?utm_campaign=Forbes&utm_source=TWITTER&utm_medium=social&utm_channel=Technology&linkId=15925038

² Hart Research Associates, “It Takes More Than a Major: Employer Priorities for College Learning and Student Success” (10 April 2013): http://www.aacu.org/sites/default/files/files/LEAP/2013_EmployerSurvey.pdf

ambitious students seeking a challenge and to parents of prospective students, who often express reservations about the long-term value of majors that do not seem to lead directly to employment.

Career Opportunities

As noted above, the foremost goal of the program is to enhance career opportunities for our students. The integrated major would also be of advantage to students intending to continue on to graduate school and professional programs, including those interested in law, medicine, business, and middle-school education. Where possible, students would be assisted in completing a capstone experience appropriate to their long-term plans.

Licensure

This program will not lead directly to licensure but would be compatible, assuming the student pursued the relevant concentration within the major, with successful completion of the Actuarial Science exams and with proficiency tests for middle school teachers.

3. Goals/Objectives and Evaluation of Program

Assessment Plan

Goals/Objectives and Evaluation of Program

Goals:

Students learn precision in modeling, calculation, and verbal and numerical analysis in order to examine and solve real-world problems; students develop critical thinking and analytical skills, with strong emphasis on reading and writing, in order to empathize, process information, and communicate effectively.

Expected Learning Outcomes

1. Students develop mathematical problem-solving skills in chosen track within the major.
2. Students learn to communicate mathematical understanding effectively.
3. Students learn to analyze texts of various kinds—e.g., film, literary, oral, digital.
4. Students gain an understanding of the role of diversity in literature and culture.
5. Students demonstrate high levels of proficiency in oral and written communication by developing the ability to write persuasively and elegantly using the skills of argumentation, rhetoric, and style in more than one context.
6. Students successfully integrate the skills learned in Math and English.

Direct Methods for measuring achievement of all six learning objectives:

- (a) Measure success rate in passing courses in both fields compared with single majors in these subjects.
- (b) Measure overall mean GPA and compare with that of single majors.
- (c) Complete an assessment of portfolios and oral presentations from the capstone class using a rubric based on the learning objectives for the program.

Indirect Methods for assessing the success of the program:

- (a) Survey students about their experiences in the program.
- (b) Keep records of job placements for graduates who choose to seek employment for three years after graduation for the first three graduating cohorts.

Criteria for evaluating successful student learning:

- (a) The same or better passing rate in courses and average GPA as for single majors
- (b) The same passing rate as for single majors in professional examinations; in actuarial science this is 75% passing one exam and 60% passing two or more exams
- (c) 80% of students testing as above proficient (i.e. a B or above) in the Capstone class
- (d) Placement rate of 80% in related fields of those who sought employment within three years.

Assessment timeline:

In year three of the program (first cohort's junior year): Review student success in courses and compare with that of single majors in the two fields; measure program retention.

In year four of the program (first cohort's senior year): Start collection of data on job and graduate school placement; continue with the next two cohorts.

How information will be used:

Data on student success will be shared with the Chairs, Directors of Undergraduate Studies, and advisors in each Department, who will share in any decisions as to modifications to the major

Outline of Program

1. Ideally, freshmen would enter Ohio State having already declared the integrated major. Students entering the program later than their first year could be accommodated but unless they had some of the prerequisites they might not be able to complete all the requirements within four years.

2. Where practicable, students would be encouraged to take a designated section of English 2367 that would give them opportunities to apply numerical awareness to the U.S. experience (demographics, statistics, and similar).
3. Appendix 1 shows sample advising plans for each of the four tracks for different Math emphases: Actuarial/Financial, Applied, Education, and Theoretical. The General Education requirements are based on the Bachelor of Science pattern, which would be the degree awarded. It should be noted that the “Education” track does not contain all the State prerequisites for entering an M.Ed. program. An interested student could certainly complete these, but the result would most likely be a program of more than 122 hours. There is more variability in the English courses given that each student will work with an English adviser to select courses most appropriate to his/her goals. In general, the English courses will improve students’ abilities in composition (including digital composition), critical thinking, interpretation, and research, and develop their empathy, social awareness, and historical understanding.

During the senior year, and normally during the final semester, students would complete a capstone requirement where they will gain real-life experience in using skills drawn from both Math and English, culminating in a final project based on one of the topics covered in the course. The course will be team-taught by faculty from Math and English, assisted by the Buckeye Leadership Fellows Program sponsored by the Office of Student Life. A syllabus for this new course is attached as Appendix

Relationship to Other Programs/Benchmarking

- All four concentrations are currently offered in the Department of Math. Their disposition within the integrated major will necessarily be less powerful because some of the depth of coursework will be cut to accommodate the English component, but the courses within the four concentrations have been carefully assembled to ensure that students can meet standards expected for the careers for which those paths prepare them. As mentioned above, the Education track will not lead directly to high school credentialing, but is instead suited for Middle School teaching.

The Department of English administers six minors—English, Creative Writing, Professional Writing, Critical and Cultural Theory, Popular Culture, and Medical Humanities—any one of which might be a useful addition for a regular Math major. But the point of the integrated major is to provide substantial coursework in *both* English and Math, with strategic opportunities (a specially designed English 2367 where practicable; and the capstone course, which is a graduation requirement) for integrating knowledge and skills developed in each area. The integrated major will thus provide a carefully structured educational experience that will be different from double majoring or majoring and minoring in Math and English.

Although there are integrated majors that bring together the natural/mathematical sciences and the Humanities—for example, Computer Science and English, and Computer Science and Music at Stanford—our proposal appears to be the first major to integrate the fields of Math and English.

- There are no known overlaps with any other programs or departments within the university.
- Eddie Pauline, Director of the Buckeye Leadership Fellows Program, has indicated his willingness to use that program as part of the capstone course. Mr. Pauline is no longer working with BLF but the program may still be able to serve as a liaison for students in the Capstone course.
- There are no articulation arrangements that need to be made for the major.
- No consultants or advisory committees have been involved in the development of the major.
- This is the first time this major has been proposed.
- Students will be recruited through the regular admissions process, with informational materials sent to admitted students interested in both Math and English. In addition, some current English and Math majors may decide to pursue the new major. It may also attract students who would have pursued another major.

4. Student Enrollment

Expected first-year enrollment: 20

Subsequent enrollment: 70-100 total (20-25 students/year)

Note: OSU records indicate that in the past 11 years, approximately four students per year have combined some kind of English and Math/Actuarial Science degree (e.g., an English Major with a Math minor, a double major in English and Math, a Math major with a Creative Writing minor). These numbers will not translate exactly into the number of students who might pursue the integrated major given that it is a different type of collaboration of the two fields, but they at least indicate that there will be interest among students in a Math-English major combination.

5. Curricular Requirements

- Sample **advising plans**, which include required GE and elective course selections for all four concentrations, are provided in Appendix 1.
- All of the **courses for the proposed major** will be drawn from existing courses in English and Math. Students should fulfill their literature GE through an English course, preferably one of the historical surveys. A number of these will be variable depending on the student's needs as determined in consultation with an adviser. The following courses will be required, including the only course that will need to be developed: a capstone course described below.

- English 1110: First-Year English Composition (3) (Prerequisite)
Practice in the fundamentals of expository writing, as illustrated in the student's own writing & in the essays of professional writers.
- English 2367: Second-level writing course [various versions] (3) (GE)
Extends & refines expository writing & analytical reading skills.
- English 2269: Digital Media Composing (3) (Prerequisite—fulfills GE Visual and Performing Arts: students who have fulfilled VPA through another course or have taken their GE Lit in English should use 2269 as their 2000-level English elective)
A composition course in which students analyze and compose digital media texts while studying complex forms and practices of textual production.
- English 3398: Methods for the Study of Literature; OR 3379: Methods for the Study of Writing, Rhetoric, Literacy; OR 2270: Introduction to Folklore (methods courses) (3)
[NOTE: although students will not complete one of the English concentrations, they are advised to follow one of the four options to give the English portion of the integrated major some coherence. Their choice of Methods course should therefore match with their interests; for example, students planning to concentrate mainly on Literature, Film, or Creative Writing courses at the 4000 level should take 3398; those planning to take more courses in rhetoric and writing should take 3379. The full advising sheets for the English concentrations are listed in Appendix 7.]
- Math 1295: Introductory Seminar (1) (Prerequisite)
Seminar on mathematical topics for beginning math majors.
- Math 1151: Calculus I (5) (Prerequisite)
Differential and integral calculus of one real variable.
- Math 1152: Calculus II (5) (Prerequisite)
Integral calculus, sequences and series, parametric curves, polar coordinates, (optional: vectors)
- Math 2153: Calculus III (4)
Multivariable differential and integral calculus.
- Math 2255: Differential Equations and their Applications (3)
Ordinary differential equations, their series solutions, numerical methods, Laplace transforms, physical applications.
- Math 2568: Linear Algebra (3)
Matrix algebra, vector spaces and linear maps, bases and dimension, eigenvalues and eigenvectors, applications.
- Math 3345: Foundations of Higher Mathematics (3)
Introduction to logic, proof techniques, set theory, number theory, real numbers.
- Math 3607: Beginning Scientific Computing (3)

Introduction to mathematical theory of algorithms used to solve problems that typically arise in sciences, engineering, and finance.

- Math 4504: History of Mathematics (3)
Development of mathematics from primitive origins to present forms. Topics include development of arithmetic, algebra, geometry, trigonometry, and calculus.
- Math 4530: Probability (3)
Combinatorial probability, random variables, independence, expectation, variance.
- Math 4547: Introductory Analysis I (3)
Involves advanced calculus: sequences, limits, continuity, differentiation, Riemann integral, sequences and series of functions, Taylor series, improper integrals.
- Math 4580: Abstract Algebra I (3)
Topics in number theory, group theory, vector spaces and linear transformation, field theory, and field extensions.
- Computer Science and Engineering 2111: Modeling and Problem Solving with Spreadsheets and Databases (3) Spreadsheet and database modeling/programming concepts and techniques to solve business related problems; efficient/effective data handling, computational analysis and decision support. Additional topics: computer concepts, networking, project integration.
- Economics 2001: Principles of Microeconomics (3)
Introduction to economic theory: supply and demand for goods, services, and factor inputs; market structure; international trade, the distribution of income.
- Economics 2002: Principles of Macroeconomics (3)
Introduction to the theory of national income determination; economic fluctuations; money; government policy; international economics.
- Statistics 4201: Introduction to Mathematical Statistics I (4)
Basic concepts in mathematical statistics, including probability, discrete and continuous distributions and densities, mathematical expectation, functions of random variables, transformation techniques, sampling distributions, order statistics.
- Statistics 4202: Introduction to Mathematical Statistics II (4)
Decision theory, point and interval estimation, Neyman-Pearson lemma, likelihood ratio tests, tests for means, variances, and proportions, nonparametric tests, regression, and ANOVA.
- English 4000-level diversity course: 4577.01 Folklore I: Groups & Communities; 4592 Topics in Women in Literature and Culture; 4580 Topics in LGBTQ Literatures/Cultures; 4587 Studies in Asian American Literature/Culture; 4597.01 Disability Experience in the Contemporary World; 4581 Topics in

U.S. Ethnic Literatures; 4588 Studies in Latino/a Literature/Culture; 4601 Language & the Black Experience; 4582 Topics in African-American Lit; 4589 Studying the Margins: Power, Language, & Culture

- Five additional English courses, one at the 2000-level or above, one at the 3000-level or above, and 3 at the 4000-level or above.

- **Capstone Course for IMME: English/Math 4420 (new course) (3)**

Students pursuing the Integrated Major in Math and English will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, IMME majors will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired through their previous coursework to real-world practice.

This capstone course will combine both professional development and leadership seminars and a capstone project on a topic chosen from real-world challenges submitted to the IMME program through our community and industry partners. The course will thus provide students with both a critical learning experience and an opportunity to synthesize and apply what they learned in IMME in a real situation. Students who complete this capstone course will have a broader understanding of their own personal strengths and which jobs might require their particular set of skills, thus resulting in a student who is more prepared for entering the workforce.

The course will be team-taught by two faculty members, one from the English Department and one from the Math Department. It will rely on the infrastructure, experience, and business contacts from the Buckeye Leadership Fellows Program (Office of Student Life) and the actuarial science course in the Math Department, Math 3588. The course proposal is attached as Appendix 5.

- Curriculum Map See also Appendix 6)

Learning Objective	How fulfilled
(1) Students develop mathematical problem-solving skills in chosen track within major	3000-4000-level Math courses within track
(2) Students learn to communicate mathematical understanding	other Math courses and Math/English 4420

effectively	
(3) Students learn to analyze texts of different kinds—e.g., film, literary, oral, digital.	English Methods courses (3398, 3379, 2270) and English 2269 (GE)
(4) Students gain an understanding of the role of diversity in literature and culture	English 4000-level diversity courses
(5) Students demonstrate high levels of proficiency in oral and written communication by developing the ability to write persuasively and elegantly using the skills of argumentation, rhetoric, and style in more than one context.	English 2367; 3000-4000-level English courses within track
(6) Students successfully integrate the skills learned in Math and English	Capstone course English/Math 4420

- There are no prerequisites for declaring an English or Math major. Standard prerequisites for the majors are English 1110/2367; Math 1151/1152; and Econ 2001/2002.
- The minimum number of credits required for the completion of the major is 41.
- Students who enter as IMME majors should be able to graduate in the standard 121 credit hours.
- See Appendix 1 for 4-year student advising plans in all four tracks.
- All courses toward the major will be in Math and English.
- A typical number of elective hours would be 12-15 ~~upper-level~~ credits. Because the integrated major covers two fields, we are not proposing any specific minor, although students may choose to take one. Elective courses are marked on the advising sheets.
- In addition to following course requirements, successful completion of the Capstone course with portfolio and presentation is a required part of the major.
- The major does not include accreditation, but students would be able to take professional examinations such as the actuarial science exam.
- **Impact of New Major on Facilities, Faculty, and Support Services**
Because students would be taking the same courses as other Math and English majors, the only new course required would be the capstone course, and even this would draw on systems already in place such as the Actuarial Science capstone, Professional Writing internships, and the Buckeye Leadership Program. The only additional expense would be for faculty labor to teach the capstone course (3 hours). At least for the first iterations, the course would be team-taught by one faculty member from each Department.

In addition to a version of English 2367 (the second writing course) directed specifically to this population, it might be possible to tailor the syllabus for other multi-section

English classes should the number of students justify it, but while this would entail some coordination it would not require the creation of new courses.

Some additional work will be involved in the form of the Integrated Major Advising Committee, which will consist of the Directors of Undergraduate Studies from Math and English; an additional faculty member from each department; and an advisor from each department. Advisors will have access to course descriptions from both Math and English, and will consult their counterparts in the other Department should students have curricular questions that they feel unable to answer.

Finally, the program will be dependent on active involvement in recruiting.

Appendix 1

Concentrations: advising plans

Integrated Major in Mathematics and English

In combination, English and Mathematics teach students an impressive range of skills. English courses teach critical thinking and analytical skills as well as the kind of communication and writing skills that are needed in a variety of careers and professional/graduate schools. Mathematics teaches precision in modeling and in analyzing real-world problems, and involves skills in calculation and numerical analysis. The Integrated Major in Mathematics and English is thus designed not only to develop these crucial skills sets but also to provide opportunities to integrate them in real-world work contexts.

Students interested in the integrated major generally have ACT Math, English, and Reading scores of at 25 and/or an SAT Math score of at least 570; and a verbal SAT score of at least 610. Interested students should contact a Mathematics advisor as well as an English advisor to map out an appropriate program of courses. Those who complete the major will graduate with a Bachelor of Science.

Career and Post-Baccalaureate Opportunities

Students who complete this major will be ahead of most college graduates in the range of skills that they can offer an employer. Depending on the concentration they pursue, students often find first jobs in banks, insurance, marketing, non-profit organizations, consulting, education, and other fields that require both some mathematical awareness and strong communication skills. Skills in analysis and communication become even more important for workers seeking promotion to management or supervisory positions. Some students pursuing this major may have the long-term goal of starting their own business. The integrated Major is also a path to advanced study in professional programs (such as Business-MBA, Medical, and Law School) and graduate school.

Requirements

Students will pursue one of four concentrations—Theoretical Math, Math for Educators, Actuarial/Financial Math, or Applied Math—each of which includes a full complement of Math and English coursework. Each concentration concludes with a capstone course in which students receive extensive leadership training while they also work with a workplace partner to develop a project in which they use both the Math and English skills and expertise they have acquired through their coursework.

Each concentration is described below and is supported by a four-year advising plan. With the exception of the Theoretical Math concentration, each plan includes room for a series of electives, which could be taken in the form of a minor chosen by the student.

Applied Math Advising Plan: Just as the name indicates, this track utilizes mathematics as it applies in real-life situations. By building a strong foundation in mathematics and its application to industrial and physical sciences and supporting that foundation with excellent skills in writing, research, and analysis, students completing this track will be well prepared for a career or graduate-level study in engineering, computer science, physics, architecture and more.

IMME: Applied Math Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0
	Art Sci Survey	1	0	Foreign Language GE	4	0
Year 2	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	English Methods Course: 3398, 3379, or 2270	3	3
	Foreign Language GE	4	0	Math 2255 – Differential Equations	3	3
	Math 2153 – Calculus III	4	4	Math 2568 – Linear Algebra	3	3
	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Natural Science GE Lab Course	4	0
		0	0	Elective Course	3	0
Year 3	English 4000-level diversity in literature and culture course	3	3	English 2000-level+ Course	3	0
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Stat 4202 - Statistics	4	4
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0
	English 3000-level+ Course	3	3	History GE (Double as 2 nd Global Studies GE)	3	0
	Visual and Performing Arts GE: English 2269	3	0			
Year 4	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3
	Math 3607 – Beginning Scientific Computing	3	3	English 4000-level+ Course	3	3
	Natural Science GE	3	0	Elective Course	3	0
	Open Options GE	3	0	Integrated Major Capstone Course	3	3
	Elective Course	3	0	Elective Course	3	0
Totals for Fall Terms		60-61	22-23	Totals for Spring Terms		61 22

Total Credit Hours: 121-122
Total Upper Division Hours: 44-45

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program

Education Advising Plan: By learning foundational logic within a wide scope of math topics from calculus to abstract algebra and combining this with the communication and analytical skills offered by English courses, this track helps to generate strong educators with exemplary content knowledge as well as the ability to analyze, decipher, and explain math in diverse ways. (Note: the “Education” track does not contain all the State prerequisites for entering an M.Ed. program. An interested student could certainly complete these but the result would most likely be a program of more than 122 hours. Middle school teaching is the more likely career path with this track.)

IMME: Math Ed Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours	
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0	
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0	
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0	
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0	
	Art Sci Survey	1	0	Foreign Language GE	4	0	
Year 2	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	English Methods Course: 3398, 3379, or 2270	3	3	
	Foreign Language GE	4	0	Math 2255 – Differential Equations	3	3	
	Math 2153 – Calculus III	4	4	Math 2568 – Linear Algebra	3	3	
	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Natural Science GE Lab Course	4	0	
		0	0	Elective Course	3	0	
Year 3	English 4000-level diversity in literature and culture course	3	3	English 2000-level+ Course	3	0	
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Math 3345 – Foundations of Higher Mathematics	3	3	
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0	
	English 3000-level+ Course	3	3	Elective Course	3	0	
	Visual and Performing Arts GE: English 2269	3	0	Elective Course	1	0	
Year 4	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3	
	Math 4504 – History of Mathematics	3	3	English 4000-level+ Course	3	3	
	Natural Science GE	3	0	Elective Course	3	0	
	Open Options GE	3	0	Integrated Major Capstone Course	3	3	
	Elective Course	3	0	History GE (Double as 2 nd Global Studies GE)	3	0	
Totals for Fall Terms		60-61	22-23	Totals for Spring Terms		61	21

Total Credit Hours: 121-122
 Total Upper Division Hours: 44-45

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program.

Financial and Actuarial Science Advising Plan: The financial and insurance industries are among the most prominent and complex industries in the world today. With a strong computational background highlighting statistics and probability enhanced by strong writing, social awareness, and critical thinking skills, students in this track will be competitive candidates in any corporate or commercial based career within the insurance, finance, investment, real estate, actuarial consulting, or banking industry.

IMME: Financial Math Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0
	Art Sci Survey	1	0	Foreign Language GE	4	0
Year 2	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	English Methods Course: 3398, 3379, or 2270	3	3
	Foreign Language GE	4	0	Math 2255 – Differential Equations	3	3
	Math 2153 – Calculus III	4	4	Math 2568 – Linear Algebra	3	3
	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Natural Science GE Lab Course	4	0
		0	0	Elective Course	3	0
Year 3	English 4000-level diversity in literature and culture course	3	3	English 2000-level+ Course	3	0
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Stat 4202	4	4
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0
	English 3000-level+ Course	3	3	History GE (Double as 2 nd Global Studies GE)	3	0
	Visual and Performing Arts GE: English 2269	3	0			
Year 4	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3
	Math 5632 – Financial Economics	3	3	English 4000-level+ Course	3	3
	Natural Science GE	3	0	Elective Course	3	0
	Open Options GE	3	0	Integrated Major Capstone Course	3	3
	Elective Course	3	0	Elective Course	3	0
Totals for Fall Terms		60-61	22-23	Totals for Spring Terms		61 22

Total Credit Hours: 121-122
Total Upper Division Hours: 44-45

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program.

Theoretical Math Advising Plan: Also known as “pure” mathematics, theoretical mathematics explores the basic concepts and structure beneath many math topics ranging from geometry to analysis. With elective options constructed as part of this track along with communication, writing, and critical thinking skills provided through English coursework, students are able to personalize the major to meet the needs of their future career/academic goals or to highlight particular fields of interest.

IMME: Theoretical Math Concentration

	Fall Courses	Fall Credit Hours	Fall Upper Division Hours	Spring Courses	Spring Credit Hours	Spring Upper Division Hours
Year 1	Writing GE: English 1110	3	0	Writing GE: English 2367 – Pre-req major	3	0
	Math/Logical Analy GE: Math 1151 – Pre-req major	5	0	Literature GE	3	0
	Foreign Language GE	4	0	Open Options GE: Math 1152 – Pre-req major	5	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 1295 – Pre-req major	1	0
	Art Sci Survey	1	0	Foreign Language GE	4	0
Year 2	English Methods Course: 3398, 3379, or 2270	3	3	English 2000-level+ Course	3	0
	Social Science GE: Econ 2001 or 2002 – Pre-req major	3	0	Math 2255 – Differential Equations	3	3
	Foreign Language GE	4	0	Math 2568 – Linear Algebra	3	3
	Math 2153 – Calculus III	4	4	Natural Science GE Lab Course	4	0
	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases	3	3	Elective Course	3	0
Year 3	English 4000-level diversity in literature and culture course	3	3	English 4000-level+ Course	3	3
	Math 4530 or Stat 4201 – Probability	3-4	3-4	Math 3345 – Foundations of Higher Mathematics	3	3
	Cultures and Ideas or History GE (Doubles as 1 st Global Studies GE)	3	0	Natural Science GE Lab Course	4	0
	Elective Course	3	0	History GE (Double as 2 nd Global Studies GE)	3	0
	Visual and Performing Arts GE: English 2269	3	0	Elective Course	3	0
Year 4	English 4000-level+ Course	3	3	English 4000-level+ Course	3	3
	Math 4580 – Abstract Algebra I	3	3	Math 4547 – Introductory Analysis I	3	3
	Natural Science GE	3	0	Open Options GE	3	0
	English 3000-level+ Course	3	3	Integrated Major Capstone Course	3	3
	Elective Course	1	0		0	0
	Totals for Fall Terms	61-62	25-26	Totals for Spring Terms	60	21

Total Credit Hours: 121-122
 Total Upper Division Hours: 46-47

Capstone Course (English/Math 4420)

Students pursuing the Integrated Major will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. If their schedules allow, they will also take a specially designed English 2367 that will allow them to explore content, concepts, and skills from both fields. In their senior year, students will take a capstone course that will provide an opportunity to integrate and apply the full range of knowledge and skills they have acquired in the program.

Appendix 2

Advising Sheets

Contacts

Department of English: english.osu.edu

English Advising: Pablo Tanguay, Undergraduate Program Manager: tanguay.1@osu.edu; 614-292-6065

Department of Mathematics: math.osu.edu

Mathematics Advising: mathadvisors@math.osu.edu

Integrated Math and English Major: Applied Math Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hrs)
	Math 1295 Introductory Seminar (1 hr)

Part B: Major Program (47-48 hrs)

Core courses for track (26-27 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2255 Differential Equations and Their Applications (3 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3607 Beginning Scientific Computing (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	Stat 4202 Introduction to Mathematical Statistics II (4 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three English courses at the 4000-level or higher from the list below (9 hrs)**

Note: Students should consult with their advisor as to an appropriate combination of English courses.

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation

2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Integrated Math and English Major: Math Education Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hrs)
	Math 1295 introductory Seminar (1 hr)

Part B: Major Program (46-47 hrs)

Core courses for track (25-26 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2255 Differential Equations and Their Applications (3 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3345 Foundations of Higher Mathematics (3 hrs)
	Math 4504 History of Mathematics (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three English courses at the 4000-level or higher from the list below (9 hrs)**

Note: Students should consult with their advisor as to an appropriate combination of English courses.

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation

2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Integrated Math and English Major: Financial/Actuarial Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hr)
	Math 1295 Introductory Seminar (1 hr)

Part B: Major Program (47-48 hrs)

Core courses for track (26-27 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3618 Theory of Interest (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	Math 5632 Financial Economics (3 hrs)
	Stat 4202 Introduction to Mathematical Statistics II (4 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three English courses at the 4000-level or higher from the list below (9 hrs)**

Note: Students should consult with their advisor as to an appropriate combination of English courses.

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation

2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Integrated Math and English Major: Theoretical Math Concentration

Part A: Required Prerequisites (20 hrs)

	Econ 2001 Principles of Microeconomics (3 hrs)
	Econ 2002 Principles of Macroeconomics (3 hrs)
	English 2367 Second Year Writing (3 hrs)
	Math 1151 Calculus I (5 hrs)
	Math 1152 Calculus II (5 hrs)
	Math 1295 Introductory Seminar (1 hr)

Part B: Major Program (49-50 hrs)

Core courses for track (28-29 hrs)

	CSE 2111 Modeling and Problem Solving with Spreadsheets and Databases (3 hrs)
	Math 2153 Calculus III (4 hrs)
	Math 2255 Differential Equations and Their Applications (3 hrs)
	Math 2568 Linear Algebra (3 hrs)
	Math 3345 Foundations of Higher Mathematics (3 hrs)
	Math 4530 or Stat 4201 Probability or Introduction to Mathematical Statistics I (3-4 hrs)
	Math 4547 Introductory Analysis I (3 hrs)
	Math 4580 Abstract Algebra I (3 hrs)
	English/Math 4420 Integrated Major Capstone Course (3 hrs)

Choose **One** Diversity in English studies course from the list below (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Choose **One** English Methods course from the list below (3 hrs). Note: Students should consult with their advisor as to a specific choice of Methods course.

2270 Intro to Folklore	3379 Methods for the Study of Rhetoric, Writing, and Literacy	3398 Methods for the Study of Literature
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Choose **One** English course at the *2000-level or higher* from the list below (3 hrs). Note: if English 2269 is not used as the VPA GE, choose English 2269.

Choose One English course at the 3000-level or higher from the list below (3 hrs)

Choose **Three** English courses at the **4000-level or higher** from the list below (9 hrs)

Note: Students should consult with their advisor as to an appropriate combination of English courses.

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2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
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2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
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2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing

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3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
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3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

Appendix 3

Feedback from Insurance and Finance Companies that Recruit OSU Students Regarding Their Level of Interest in an Integrated Major in English and Math

Collected by Chunsheng Ban, Professor of Math, OSU

RE: Integrated Major at OSU
Martin Molloy [martin.molloy@aonhewitt.com]
Sent: Wednesday, September 30, 2015 5:40 PM
To: Ban, Chunsheng

As someone who majored in Actuarial Science with a minor in English, I find this very appealing.

I will circulate to others here to get their opinions. We can talk on Thursday about how much value this adds.

Martin E. Molloy, E.A., F.S.A. | Associate Partner
Aon Hewitt | Retirement and Investment
445 Hutchinson Ave. | Suite 900 | Columbus, OH 43235
t 614 825-9412 | f 614 436-7988
martin.molloy@aonhewitt.com | aonhewitt.com | retirementandinvestmentblog.aon.com

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RE: Integrated Major at OSU
Stang, Doug [Doug_Stang@CINFIN.com]
Sent: Thursday, October 01, 2015 2:14 PM
To: Ban, Chunsheng

Professor Ban,

I would be very interested in students with this major, and I think several of my Cincinnati colleagues would be interested in students with this major as well.

A persistent problem I encounter with actuaries, as a group, is a large portion of them do not like to write or they do not write well. Employers, as well as evolving actuarial standards of practice, continually call for more detailed, clearly written reports, analyses, and summaries of actuarial work. Meeting those demands has proven challenging, at times, because of the written-communication shortcomings of a significant portion of our actuaries.

The written-presentation skills (e.g., table, chart, and slide design) of a surprising number of our actuaries are also wanting.

I think employers would find students with this major attractive, were they to successfully combine the strong technical skills of the typical actuary with similarly strong written communication skills.

Thanks,

Doug

RE: Integrated Major at OSU
Ellwood, Cathy [Cathy.Ellwood@StateAuto.com]
Sent: Thursday, October 01, 2015 4:32 PM
To: Ban, Chunsheng
Cc: Schmidt, Leora [Leora.Schmidt@StateAuto.com]

Dr. Ban -

Absolutely! The students who stand out when we interview for summer intern opportunities or full-time jobs are those who have solid academics/healthy GPAs (3.0+), have passed at least one exam (required for full-time employment, but not internships), and are articulate in conversation and when discussing business topics. These are the types of students/candidates who can explain the technical analysis to business partners in layman's terms and who are able to take the results of the analysis and relay it in ways that their business partners can put into action. This is truly where "the rubber meets the road."

The combined major would further emphasize the importance of these two skill sets and how they relate to career success.

If you'd like to discuss further, don't hesitate to let me know.

You take care, and thanks for the opportunity to weigh in.

RE: Integrated Major at OSU
Fu, Luyang [Luyang_Fu@CINFIN.com]
Sent: Friday, October 02, 2015 8:26 AM
To: Ban, Chunsheng

Professor Ban,

My team have very unique demands. Personally, I do not care much about the additional English major. Most of my hires are experienced modelers at FCAS/ACAS level. My occasional entry-level hires are fresh Ph.Ds. Ph.Ds can usually communicate well (good written skills after the pain of writing a dissertation and good speaking skills from TA experience).

Having said that, communication is very important for actuaries. When making the hiring decisions, I evaluate candidates from three perspectives: know the business (insurance and actuarial stuff); know the technics (statistics such as regression, multivariate analysis, econometrics); know how to communicate. English major should help students to improve both written and oral communication skills.

Hope that my answers help.

Luyang

RE: Integrated Major at OSU
Lin, Ken [LinK@Grangeinsurance.com]
Sent: Friday, October 02, 2015 12:52 PM
To: Ban, Chunsheng

Hi Chunsheng,

I think the integrated Math/Actuarial Science and English major is a great idea. Often we come across candidates that are strong analytically but weak on communication, and it seems to me that this major would address that situation directly. So, 2 thumbs up from me - good luck and nice to see you again at the reception!

Best,
Ken

RE: Integrated Major at OSU
Steven Diamond [Steven.Diamond@safeauto.com]

Sent: Monday, October 05, 2015 8:07 AM
To: Ban, Chunsheng

Dear Chunsheng,

My corporate recruiter, Allison Thomas, and I enjoyed the ActSci reception you held on campus. We met many bright, young students who might be ideal candidates for our summer intern program.

Evan McKee, SVP of Product Management and I will be attending the CAS Seminar on the 20th. We look forward to participating in the evening's festivities. Evan will be on the panel to talk about SafeAuto.

In comment to your Math/ActSci and English program; I think communication skills are a critical component in today's workforce that is sometimes overlooked. It's a coincidence you mention this in your email. While I was speaking to a group of freshman students at the reception, I enlightened them on the importance of communication skills as a key competence when applying for an internship/job. I shared with them that when it comes time to finding employment, many candidates will have the same, if not better set of skills than them but what can separate them from the others is personality; the ability to communicate. So I definitely like integrating the two together.

I look forward to seeing you and the students again in a few weeks.

Kind regards,

Steve

RE: Integrated Major at OSU
Lacker, Kimberly E. [Kimberly.Lacker@cna.com]
Sent: Monday, October 05, 2015 9:30 AM
To: Ban, Chunsheng

Hi Professor Ban,

Thank you for having us at the reception! It was great to meet so many faculty and students, and we had a slate of really talented candidates interview the following day. We have several coming into our home office for the next round of interviews as well.

I spoke with the English professor who is involved in this initiative at the reception (her name is escaping me at the moment [Clare Simmons, Professor of English and Director of Undergraduate Studies]). In general, I think the integrated major is a great idea for students

who are interested in both Actuarial Science and English. We look for well-rounded students and this degree combination would likely offer a strong background for students looking to enter the profession. We often interview students with dual degrees and I see this as somewhat similar.

I will say that commitment to exams helps open the door for many students, so I would want to make sure this is not de-emphasized. Employers do want to see commitment to the profession but it sounds like the goal of this degree is still to produce a strong actuarial background, just with more focus on the communication and critical thinking side.

I would be curious to see course requirements for the major!

Best wishes and let me know if there is anything I can do to help.

Kim Lacker
(312) 822-6545

From: Stan Gozur [stan.gozur.m8p1@statefarm.com]
Sent: Thursday, October 08, 2015 10:36 AM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

Thanks for reaching out to us, Dr. Ban. As always, we had a pleasant visit to campus and enjoyed getting to meet your current crop of students.

From my perspective, the quality of your sophomore group is quite impressive. I was surprised how many underclassmen were concentrating on exam prep. Great job! I didn't get the chance to interact as much with your upperclassmen. Although our P&C area has decided not to bring anyone in for onsite interviews, we plan to keep an eye on your sophomores for next year.

Like I mentioned in our presentation to the club, keep encouraging your students to pursue leadership roles and similar opportunities that help round out their development. Along with internships, we place great consideration on students with leadership experiences, with the expectation that they continue to develop these skills upon hire. Active participation in leadership roles have helped us identify students with high initiative and often correlates with above-average communication and relationship building skills. Also, from a prior student's perspective, I encourage your students (especially the younger ones new to interviewing) to explore the resources available at the campus career center (e.g. mock interviews, resume writing, etc.). As you know, the more practice, the better your performance will be in an interview, just as with exams.

I reached out to my department leadership regarding your question on the Math/English dual major. What I gather is that it won't necessarily change our campus recruitment efforts. We

strive to recruit from a variety of majors, although most come from the traditional backgrounds of math, actuarial science and statistics. Just as important to major is the preferred qualifications such as GPA, exams passed, prior work experiences, etc.

Assuming a student can achieve the proposed dual major, we would still be interested mostly in their exam success and actuarial depth. The dual major itself wouldn't necessarily help or hurt your students' standing among peers in our eyes. Considering what I mentioned above about placing importance in a candidate's ability to communicate effectively and demonstrate leadership qualities, then I can see the dual major option being of value to students who may be looking to improve in those areas. As an interviewer, though, I personally would be interested to not just see in transcripts that they've taken these courses, but rather hear from them during the interview the benefits they've gained and how they've implemented the soft skills they've acquired.

One other thought from an interviewer's perspective: How committed to the actuarial profession and exam track are those with dual majors? This is a tough trait to gauge during an interview, and students can benefit by directly asserting their future intentions. It's tricky for us. On one hand, we strive for well-rounded students and want to see their expansive educational background; on the other hand, when we interview a student who has more than one major (often those with significantly different majors), we question if being a career actuary is their long-term goal. For those students with dual degrees who have a hard time clarifying their career intent, it can create a degree of uncertainty when comparing to equally-qualified candidates. It's not the dual degree that raises the flag, but rather any undecidedness an individual with a dual degree has regarding the direction of their career.

If you have other thoughts or questions, don't hesitate to reach back out to me. I'll do the same. Thanks again for your hospitality last week, we greatly appreciate it! Hope the remainder of the year goes smoothly!

Stan Gozur | P&C Actuarial
State Farm Insurance Companies
309.763.8151

From: GINNANS@nationwide.com [GINNANS@nationwide.com]
Sent: Thursday, October 08, 2015 3:05 PM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

As promised, here is a memo responding to your request. Please let me know if you have any questions or would like to have a follow-up conversation.

Take care,
Steve

October 8, 2015

From: Steve Ginnan, VP Chief Actuary

To: Dr. Chunsheng Ban

Re: Math/Actuarial Science and English Integrated Major at OSU

Hello,

Attached are the comments related to the questions you posed: "What do you think of the idea of this integrated major? Will you be interested in students from this major?"

I like the concept of integrating STEM with Humanities. We are always looking for candidates with coursework (and/or other experiences) beyond just the standard math needed to do actuarial work. OSU has certainly called out the right skills: quantitative, analytical thinking, critical thinking, and communication.

However for the humanities side of this, I don't exactly know how you are determining that English was the best fit to achieve your plan. I do like the idea of this well rounded major but feel "English" does not make me think the skills mentioned above will be adequately developed.

I solicited comments and suggestions from both the P&C and Life Actuarial leadership team here at Nationwide. They feel that the most successful associates are those who have strong soft skills in addition to strong analytical skills. Everyone (8 total) that gave responses feels this type of background would be beneficial particularly an integrated major that directly focuses on communication.

If you can't communicate the results of your analysis in a way that engenders trust and confidence, it doesn't really matter how good the analysis is. Explaining technical concepts to non-technical people in an easily understood manner and the ability to create simple pictures of the complex is a highly effective and productive competency. Communication encompasses both written and oral competencies. We routinely send associates to seminars where they are video taped giving an oral presentation in order to provide coaching and constructive feedback. Finally, a technical writing class such as you may find in an engineering school as well as how to compose a presentation for an executive committee would be very helpful.

Actuaries must have a strong command of such competencies as being a business advisor, influencing others, working across the organization, motivating, managing, strategic thinking, as well as being an Actuary!

It is not obvious that an integrated degree of English with Actuarial Science will assure that written and oral communication of the candidate will be superb, but it certainly is a step in a good direction. And to be fair, I do not have the anticipated course offering list to know which classes from the English major would be applicable.

In all, my associates like what you are trying to do although they feel English as a description is not very informative and as a math student coming out of high school it would

have had limited appeal. English brings the connotation of writing papers on books or may seem like it is geared towards the international community where English is a second language. Neither of these would be of the same value as what is described in this memo. Considering all of this, from a resume perspective, I would likely give extra consideration to a candidate with this integrated major more than just a normal actuarial science major. Thanks again for the opportunity to provide feedback.

Warm Regards,
Steve

From: Springer, Lorna (Cleveland) [lorna.springer@towerswatson.com]
Sent: Monday, October 26, 2015 7:03 AM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

Hello!

My apologies for the lateness of this email. I was going through to make sure I didn't miss anything and sure enough, I missed this!

I think that the stress on critical thinking and communication skills, in addition to the strong math background would be very beneficial to those students considering a consulting career. We do sometimes find students who are very bright and incredibly technical but perhaps aren't the best at explaining things or engaging in collaborative conversations, and it seems as if the additional focus would help with that. In addition, the English/communication skills focus could further prepare some of the international students who will eventually be taking the FAP modules.

As someone who was formerly heavily involved in recruiting, I would recommend developing some sort of notice or blast to the larger employers letting them know what the major is when they start to see it on resumes. I assume it will have "math" in the name, which is usually enough to catch our eye!

As I'm sure you know, this is only my personal opinion and not the overall Towers Watson opinion. I'd be happy to answer any other specific questions you have!

I hope all is well.

Lorna

From: Fazio, John (Cleveland) [john.fazio@towerswatson.com]
Sent: Thursday, November 05, 2015 1:01 PM
To: Ban, Chunsheng
Cc: Morrison, George (Cincinnati)

Subject: RE: Integrated Major at OSU

Dr. Ban:

Pardon the delay in my response. George Morrison circulated this among the senior actuary network, and the response was positive. Although most agreed technical skills were critical, most commented that there is a need to have good communications skills to be an actuary, especially if English is not the student's native language. That said, the focus of responses were on communications skills, so this may not be just course work from an English curriculum, but may also include Business Communications coursework.

Let us know if you have any questions.

John J. Fazio
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Towers Watson
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john.fazio@towerswatson.com
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Assistant:
Sandy Metheny
T+ 216 937 4043
sandy.metheny@towerswatson.com

From: Mrozek, Matt [Matt.Mrozek@StateAuto.com]
Sent: Thursday, November 05, 2015 4:01 PM
To: Ban, Chunsheng
Subject: RE: Integrated Major at OSU

Dr. Ban,

Sorry for the delay in getting back to you. I reached out to several actuarial managers who hire for entry level positions. While there was unanimous agreement that communication skills are highly valued, there was some concern that a new major might be perceived as less technical. From your description the new major sounds like solid actuarial preparation. But that may be difficult for hiring managers to fully appreciate at the point they are reviewing resumes.

An alternative suggested by several folks would be to have focus areas or concentrations within the existing major. Focus areas could center around communication, analytical thinking, critical thinking, English language, leadership, statistics, business, risk management/insurance, etc., or some combination of elements. I think the suggestion is aiming at basically the same outcome -

- produce well-rounded students who can think and communicate. It's really more a matter of marketing to highlight the additional education (beyond pure actuarial) and minimize perception that there is any less technical preparation.

Hopefully this is useful and not too late. If there is anything else we can provide, please let us know. We very much appreciate the opportunity.

I hope the semester is going well for you. It's hard to believe that it's coming to an end already. Best of luck during these last few weeks.

Best regards,
Matt



Appendix 4

Survey of Local Businesses – surveys sent out by Eddie Pauline, Director of Buckeye Leadership Fellows Program in Fall 2015

My Report

Last Modified: 10/10/2015

1. Think of a job in your company for which it's a plus to have knowledge and experience in the field of the job, but it's not absolutely necessary. Two recent college graduates have emerged as finalists for this position. Which candidate would you be most likely to hire:

#	Answer		Response	%
1	Candidate A, who has a college degree and has completed an internship in the field in which you are hiring, but has mediocre writing, oral communication, and critical thinking skills.		1	14%
2	Candidate B, who has a degree in a Humanities field (such as History, English, a foreign language, or Philosophy) and has excellent writing, critical thinking, and oral communication skills.		6	86%
	Total		7	100%

Statistic	Value
Min Value	1
Max Value	2
Mean	1.86
Variance	0.14
Standard Deviation	0.38
Total Responses	7

2. Ohio State is considering the development of an integrated major in English and Math. The goal of the major would be to provide students with a well-rounded background in both Math and English, with students choosing one of four tracks (actuarial/financial, applied, theoretical, education). No matter which track they choose, students would do in-depth study in both Math and English. Their plan of study would culminate in a capstone experience in which they would work on an industry, non-profit, or business project requiring the integration of quantitative, analytical thinking, critical thinking, and communication skills. All other things being equal, how would you rate your interest in interviewing a recent college graduate with this degree:

#	Answer	Response	%
1	I would be more likely to interview this candidate than others because of the degree.	3	43%
2	I would not be more interested in this candidate than others simply because of the degree.	4	57%
	Total	7	100%

Statistic	Value
Min Value	1
Max Value	2
Mean	1.57
Variance	0.29
Standard Deviation	0.53
Total Responses	7

3. If you were to make one recommendation to colleges and universities about how they might better prepare graduates for jobs in your company, what would it be?

Text Response

Require internship and co-ops to be part of the main course work. Students need more exposure to the workforce. I think colleges and universities could also help more students understand how to translate and articulate their skills from the academic world to the working world.

Teach relevant things

mandate an internship, co op, or job shadow

I would suggest training in the areas of company analysis and research (how-to perform these actions), offer etiquette/business communications, and any type of training that would help students identify what type of working environment best fits their personality and desires. Not only is our company seeking candidates who meet our requirements and expectations, but we are looking for candidates who have a strong sense of where they see themselves in the workforce and future.

Communication skills must be high. The business environment is a collaborative one today and team work is critical. The foundation is listening and working together across diverse skill sets.

Basic competency skills like communication, collaboration, etc. are very important to us, however, no particular major means that a student has these skills. Because of this, we typically start with a major or academic path that aligns with what we are looking for and narrow it down from there based on the soft competences we look for.

Statistic	Value
Total Responses	6

Appendix 5

Capstone Course for the Integrated Major in Mathematics and English

(4420)

Profs. Daniel J. Thompson (Math)

and Zoë Brigley Thompson (English)

Email:

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Math 4420, Cross-listed as English 4420

Bulletin Description: Math 4420/English 4420: IMME Capstone

Students combine the Mathematics and English knowledge and skills they have acquired in the integrated major through a capstone experience. **Prerequisites:** IMME junior or senior standing or permission of instructor.

Rationale

Students pursuing the Integrated Major in Mathematics and English will learn concepts, develop understanding of theories, and acquire techniques and skills in a variety of courses in Math and English. In their senior year, all integrated majors will take a capstone course that will provide an opportunity to combine and apply the full range of knowledge and skills they have acquired through their previous courses.

Learning Goals

Students who complete this capstone course will have a broader understanding of their own personal strengths and which jobs might require their particular set of skills, thus resulting in a student who is

more prepared for entering the workforce. Furthermore, students will learn how literary study can benefit from the skillset of a mathematician, and how a humanistic approach is valuable for both communicating, and understanding the context of, ideas in the mathematical sciences.

The course will be team-taught by Daniel J. Thompson from the Math Department, and Zoë Brigley Thompson in the English Department.

Topics Covered

Introduction: Writing Skills in Math and English

(Taught by Z.B.T and D.J.T.)

The course will open with Z.B.T and D.J.T. team-teaching a week that offers a crash course on writing skills not only in English, but also in Mathematics.

1. Rhetoric

a. Rhetoric: How to Employ Linguistic Sleight of Hand

(Taught by Z.B.T)

This section focuses on rhetoric, and the use of linguistic devices to persuade, influence and convert. It is essential for real-world communication skills to understand how these techniques work, and how students can use them to strengthen their delivery of particular information.

Set text: *Julius Caesar* by William Shakespeare and the film *Julius Caesar* (1953)

b. Proof: From correct to convincing

(Taught by D.J.T)

A mathematical theorem is a journey from a collection of hypotheses to a non-trivial conclusion. A proof of a theorem aims to convince a reader of the mathematical steps required to make this journey. There is a gulf between a proof that contains the right ingredients in the right order, and a clear exposition that communicates the ideas in an optimal way. An “optimal” proof is a matter of style and personal

taste, and is where the art comes into mathematical writing. We will look at these issues in the context of some proofs from elementary number theory and geometry. These skills will be useful for any kind of technical writing.

Set text: Lecture notes based on *Foundations of Mathematics* by Stewart and Hall

2. Rules and structure

a. The Poem: How to Work with Pattern and Form

(Taught by Z.B.T.)

This section will introduce students to a number of forms in poetry, and it will provoke discussion about pattern and form in language. Different forms will be considered such as the sestina which uses repeated end words; the sonnet which uses rhyme, meter, and other strictures; and cynghanedd which dictates repeated consonantal sounds and assonance. How do the strictures and patterns of poetic form shape thought and language? When part of the structure is there, how do writers go about filling in the blanks? The ability to complete patterns is a key aspect of creative and critical thinking, which is a key skill in real-world scenarios.

Set texts: a collection of poems including forms such as the sonnet, sestina, the pantoum, terza rima, and cynghanedd.

b. Elementary geometry: Euclidean and beyond

(Taught by D.J.T)

We will look at the incredible mathematics of the Greeks, including Euclid's axioms for geometry, and how these are used in proofs. Axioms can be thought of as a set of rules to determine a mathematical playground. Of particular interest is Euclid's parallel postulate (In a plane, given a line and a point not on it, there is a unique parallel line through that point), which he initially believed to be a consequence of the other axioms. A major development in the history of mathematics was the realization that the parallel postulate is independent of the axioms of Euclidean geometry, and can be replaced by alternative rules on parallel lines, leading to different geometries, i.e. projective geometry (infinitely many parallel lines) and spherical geometry (no parallel lines).

Set text: Lecture notes based on Jeremy Gray's *History of Mathematics*

3. Mathematical models

a. The Novel: How to Read Using Mathematical Models

[Taught by Z.B.T.]

Drawing on Franco Moretti's notion of "distant reading," this section will consider how one might read the novel differently using a more mathematical kind of mapping. Moretti employs graphs from quantitative history, maps from geography, and trees from evolutionary theory. We will apply Moretti's theories to the set texts, a technique which again relies on recognizing patterns as well as mapping spaces and events.

Set text: *The Great Gatsby* by F. Scott Fitzgerald

b. Population biology: the first mathematical models

(Taught by D.J.T)

We look at the early history of mathematical modeling in Biology: a new era was started when the gloomy English cleric Malthus wrote down an alarming equation for population growth. We will critique Malthus' model and look at Verhulst's more realistic Logistic model. We will discuss the benefits and points of caution of mathematic models in the natural sciences.

Set text: Lecture notes based on *Mathematical Models in Biology* by Edelstein-Keshet.

4. Randomness

a. Biography: How to Order the Chaos of a Life

[Taught by Z.B.T.]

How can we measure the random events of a life? Is there such a thing as fate, or is the course of human existence defined by anarchy and chaos? By looking at the biography of a particular mathematician, Alan Turing, we will consider not only his mathematical contribution, or the poignant events of his life, but also how his story is written and interpreted by the biographer. We will consider how the biographer organizes the narrative before him, and how the mere act of writing of a biography is a philosophical endeavor that imposes order on chaos. We will consider the choices made in writing about what detail to include and what to omit, and how the writer is always having to make choices about what is significant and worthy of attention, and what is not.

Set text: *Alan Turing: An Enigma* by Andrew Hodges and the film *The Imitation Game* (2015).

b. History of probability

(Taught by D.J.T)

We will look at the journey from deterministic to probabilistic mathematics embodied by mathematicians such as Pascal and Fermat. Initially, this study was motivated by a desire to understand gambling games popular in French society. Later on, the importance of these techniques to core mathematics and the natural sciences was understood, and developed by great mathematicians such as Laplace and Kolmogorov.

Course Conclusion

The conclusion to the course will include visits from business contacts from the Buckeye Leadership Fellows Program (Office of Student Life); a panel will see the students give a final presentation. Although the panel will provide feedback on the presentation, all grades will be assigned by the class instructor.

Assignments

Assignment	Percentage
Attendance and Class Contribution	10%
Midterm	25%
Presentation	15%
Capstone Project	50%

Midterm

The midterm will include a close analysis requiring knowledge of rhetorical and literary terms, and a demonstration of the ability to write clear and convincing proofs of simple results from elementary number theory and geometry.

Capstone Project

The course provides students with both a critical learning experience and an opportunity to synthesize and apply what they learned throughout the program. The final project is based on one of the four topics covered on the course. Students will be given a list of possible projects at the beginning of each section of the course, and they will be able to decide which element they would like to work on. The project will involve the often under-appreciated humanistic side of mathematics, with students encouraged to focus on an area of mathematics in its historical context; combining both a focus on exposition of ideas and its context in societal and philosophical change. This will be combined with an English project that involves engaging with linguistic devices, literary genres, and critical analysis.

Examples of projects:

Projects should incorporate mathematical and humanities components. This can be achieved in one of two ways:

(a) the critical analysis and the mathematics can be blended into one project. History of Mathematics projects would be particularly suited to this. For example, a project on the history of gambling in 17th century France, including analysis of a relevant text, with mathematical content given by exploring some of the mathematical contributions of Pascal and Fermat.

(b) the critical analysis and the mathematics components can be handled separately, but with some coherence in the choice of topics: e.g. a project on Topic 3. could incorporate a first part which uses Moretti's theories of mathematical models to analyze a text, and a second part which looks at a simple mathematical model in applied mathematics.

Under these criteria, there is a lot of latitude to choose appropriate projects.

In Topic 1 (Rhetoric), many projects of type (b) are possible through analysis of rhetoric in a suitable text, and exposition of a short proof from a classic text in mathematics.

In Topic 2 (Rules and structure), a project of type (b) could be suitable with a first part analyzing form in

poetry, and with a second part analyzing some axioms (say, of the natural numbers, or Euclidean geometry, etc). This topic also lends itself to an integrated historical project of type (a). For example, there is a fascinating historical back story to the discovery of projective geometry by Poncelet. This would be suitable for a history of mathematics project explaining both the mathematical ideas, and critical analysis involving literature from the time and societal context.

In Topic 3 (Mathematical Models), we already mentioned an example project: a first part which uses Moretti's theories of mathematical models to analyze a text, and a second part which looks at a simple mathematical model in applied mathematics.

In Topic 4 (Randomness / Biography): the choice of historical projects is limitless. There are many works on biography of fascinating mathematicians. An investigation of Turing's biography combined with an explanation of some of his mathematics would be a great project. A project based on the new book "Hidden Figures" by Margot Lee Shetterly concerning the contribution of black female mathematicians to NASA in the 1940's would also be a fantastic and timely project.

Timeline for projects:

We will discuss possible projects at the beginning of the course. Students who choose topics from later in the course will be able to plan with this in mind. The projects are really for independent study, particularly the biography oriented projects from the end of the course, so we see no problem with the projects being initiated early in the course in discussion with the class instructors, with material being reinforced as we cover these topics in class.

Schedule of Topics:

We work on the assumption that there are fourteen 165 minute classes.

Week 1: Introductory lectures: On the integration of the humanities and the mathematical sciences

Week 2: Rhetoric I

Week 3: Rhetoric II

Week 4: Rhetoric III

Week 5: Rules and structure I

Week 6: Rules and structure II

Week 7: Midterm

Week 8: Mathematical models I

Week 9: Mathematical models II

Week 10: Randomness I

Week 11: Randomness II

Week 12: Randomness III

Week 13: Presentations

Week 14: Presentations and concluding remarks

Catalog description:

The Capstone Course for the Integrated Major in Mathematics and English is at the intersection of these seemingly distinct fields. The focus is on commonalities and analogies between literary study and skills valuable in the mathematical sciences. Topics include writing styles in both English and Mathematics, structures in English and Math (form in poetry vs axioms in mathematics), and history and philosophy of mathematics from both a literary and scientific stand point.

This 3-credit course will meet once a week for a 165 minute class.

Purpose of course:

The purpose of the course is to demonstrate the full range of skills acquired through the Math and English curriculum, and to appreciate the value of a humanities background for certain scientific skills, and vice versa. Students will demonstrate skills that are valuable for employers by combining rigorous analytic skill, with the ability to communicate ideas, and understand ideas in societal context.

Textbook:

The math component will be based on new lecture notes using various sources as described in the course description. The English component will be based on various set texts as described in the course description.

Prerequisite:

The course is designed for students in the final year of IMME.

Disability Statement:

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone (614) 292-3307 and VRS (614) 429- 1334; webpage <http://www.ods.ohio-state.edu>.

Academic Misconduct Statement:

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term academic misconduct includes all forms of student academic misconduct wherever committed; illustrated by, but

not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct: <http://studentaffairs.osu.edu/resource>

Appendix 6

Curriculum Maps

Curriculum Map: Integrated Major in Math and English – Applied Math Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2255	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3607	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Stat 4202	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		

Methods Course (Choose one)						
English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	

English 3364			Intermediate	Intermediate	Intermediate	
English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	
English 3398			Intermediate	Intermediate	Intermediate	
English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
English 4533			Advanced	Advanced	Advanced	
English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
English 4564.01			Advanced	Advanced	Advanced	
English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	

English 4572			Advanced	Advanced	Advanced	
English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	
English 4574			Advanced	Advanced	Advanced	
English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Curriculum Map: Integrated Major in Math and English – Math Education Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2255	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3345	Advanced	Advanced				
Math 4504	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		

Methods Course (Choose one)						
English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	
English 3364			Intermediate	Intermediate	Intermediate	

English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	
English 3398			Intermediate	Intermediate	Intermediate	
English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
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English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
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English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	
English 4572			Advanced	Advanced	Advanced	

English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	
English 4574			Advanced	Advanced	Advanced	
English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Curriculum Map: Integrated Major in Math and English – Financial/Actuarial Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3618	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Math 5632	Advanced	Advanced				
Stat 4202	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		

Methods Course (Choose one)						
English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	
English 3364			Intermediate	Intermediate	Intermediate	
English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	

English 3398			Intermediate	Intermediate	Intermediate	
English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
English 4533			Advanced	Advanced	Advanced	
English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
English 4564.01			Advanced	Advanced	Advanced	
English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	
English 4572			Advanced	Advanced	Advanced	
English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	

English 4574			Advanced	Advanced	Advanced	
English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Curriculum Map: Integrated Major in Math and English – Theoretical Math Concentration

Prerequisites	Goal (1)	Goal (2)	Goal (3)	Goal (4)	Goal (5)	Goal (6)
Econ 2001	Beginning	Beginning				
Econ 2002	Beginning	Beginning				
English 2367					Intermediate	
Math 1151	Beginning	Beginning				
Math 1152	Beginning	Beginning				
Math 1295	Intermediate	Intermediate				
Core Courses in Concentration						
CSE 2111	Beginning					
Math 2153	Intermediate	Intermediate				
Math 2255	Intermediate	Intermediate				
Math 2568	Intermediate	Intermediate				
Math 3345	Advanced	Advanced				
Math 4530 or Stat 4201	Advanced	Advanced				
Math 4547	Advanced	Advanced				
Math 4580	Advanced	Advanced				
Math/English Capstone Course						
Math/English 4420		Advanced				Advanced
Diversity in English Studies Courses (Choose one)						
English 4577.01				Advanced		
English 4580				Advanced		
English 4581				Advanced		
English 4582				Advanced		
English 4586				Advanced		
English 4587				Advanced		
English 4588				Advanced		
English 4589				Advanced		
English 4592				Advanced		
English 4597.01				Advanced		
English 4601				Advanced		
Methods Course (Choose one)						

English 2270			Intermediate			
English 3379			Intermediate			
English 3398			Intermediate			
English Electives (Choose one at the 3000-level or above and choose three at the 4000-level or above. If English 2269 is used as a GE course then choose one additional English course at the 2000-level or above)						
English 2201			Beginning	Beginning	Beginning	
English 2201H			Beginning	Beginning	Beginning	
English 2202			Beginning	Beginning	Beginning	
English 2202H			Beginning	Beginning	Beginning	
English 2220			Beginning	Beginning	Beginning	
English 2220H			Beginning	Beginning	Beginning	
English 2260			Beginning	Beginning	Beginning	
English 2260H			Beginning	Beginning	Beginning	
English 2261			Beginning	Beginning	Beginning	
English 2261H			Beginning	Beginning	Beginning	
English 2262			Beginning	Beginning	Beginning	
English 2262H			Beginning	Beginning	Beginning	
English 2263			Beginning	Beginning	Beginning	
English 2264			Beginning	Beginning	Beginning	
English 2265			Beginning	Beginning	Beginning	
English 2266			Beginning	Beginning	Beginning	
English 2267			Beginning	Beginning	Beginning	
English 2268			Beginning	Beginning	Beginning	
English 2269			Intermediate	Intermediate	Intermediate	
English 2270			Intermediate	Intermediate	Intermediate	
English 2270H			Intermediate	Intermediate	Intermediate	
English 2275			Beginning	Beginning	Beginning	
English 2276			Beginning	Beginning	Beginning	
English 2277			Beginning	Beginning	Beginning	
English 2280			Beginning	Beginning	Beginning	
English 2280H			Beginning	Beginning	Beginning	
English 2281			Beginning	Beginning	Beginning	
English 2282			Beginning	Beginning	Beginning	
English 2290			Beginning	Beginning	Beginning	
English 2291			Beginning	Beginning	Beginning	
English 2296H			Beginning	Beginning	Beginning	
English 3271			Intermediate	Intermediate	Intermediate	
English 3304			Intermediate	Intermediate	Intermediate	
English 3305			Intermediate	Intermediate	Intermediate	
English 3331			Intermediate	Intermediate	Intermediate	
English 3361			Intermediate	Intermediate	Intermediate	
English 3364			Intermediate	Intermediate	Intermediate	
English 3372			Intermediate	Intermediate	Intermediate	
English 3378			Intermediate	Intermediate	Intermediate	
English 3398			Intermediate	Intermediate	Intermediate	

English 3405			Intermediate	Intermediate	Intermediate	
English 3465			Intermediate	Intermediate	Intermediate	
English 3466			Intermediate	Intermediate	Intermediate	
English 3467S			Intermediate	Intermediate	Intermediate	
English 3468			Intermediate	Intermediate	Intermediate	
English 3597.03			Intermediate	Intermediate	Intermediate	
English 3662			Intermediate	Intermediate	Intermediate	
English 4400			Advanced	Advanced	Advanced	
English 4513			Advanced	Advanced	Advanced	
English 4514			Advanced	Advanced	Advanced	
English 4515			Advanced	Advanced	Advanced	
English 4520.01			Advanced	Advanced	Advanced	
English 4520.02			Advanced	Advanced	Advanced	
English 4521			Advanced	Advanced	Advanced	
English 4522			Advanced	Advanced	Advanced	
English 4523			Advanced	Advanced	Advanced	
English 4531			Advanced	Advanced	Advanced	
English 4533			Advanced	Advanced	Advanced	
English 4535			Advanced	Advanced	Advanced	
English 4540			Advanced	Advanced	Advanced	
English 4542			Advanced	Advanced	Advanced	
English 4543			Advanced	Advanced	Advanced	
English 4547			Advanced	Advanced	Advanced	
English 4549			Advanced	Advanced	Advanced	
English 4550			Advanced	Advanced	Advanced	
English 4551			Advanced	Advanced	Advanced	
English 4552			Advanced	Advanced	Advanced	
English 4553			Advanced	Advanced	Advanced	
English 4554			Advanced	Advanced	Advanced	
English 4555			Advanced	Advanced	Advanced	
English 4559			Advanced	Advanced	Advanced	
English 4560			Advanced	Advanced	Advanced	
English 4561			Advanced	Advanced	Advanced	
English 4562			Advanced	Advanced	Advanced	
English 4563			Advanced	Advanced	Advanced	
English 4564.01			Advanced	Advanced	Advanced	
English 4564.02			Advanced	Advanced	Advanced	
English 4564.03			Advanced	Advanced	Advanced	
English 4564.04			Advanced	Advanced	Advanced	
English 4565			Advanced	Advanced	Advanced	
English 4566			Advanced	Advanced	Advanced	
English 4567S			Advanced	Advanced	Advanced	
English 4568			Advanced	Advanced	Advanced	
English 4569			Advanced	Advanced	Advanced	
English 4570			Advanced	Advanced	Advanced	
English 4571			Advanced	Advanced	Advanced	
English 4572			Advanced	Advanced	Advanced	
English 4573.01			Advanced	Advanced	Advanced	
English 4573.02			Advanced	Advanced	Advanced	
English 4574			Advanced	Advanced	Advanced	

English 4575			Advanced	Advanced	Advanced	
English 4576.01			Advanced	Advanced	Advanced	
English 4576.02			Advanced	Advanced	Advanced	
English 4576.03			Advanced	Advanced	Advanced	
English 4577.01			Advanced	Advanced	Advanced	
English 4577.02			Advanced	Advanced	Advanced	
English 4577.03			Advanced	Advanced	Advanced	
English 4578			Advanced	Advanced	Advanced	
English 4578H			Advanced	Advanced	Advanced	
English 4579			Advanced	Advanced	Advanced	
English 4580			Advanced	Advanced	Advanced	
English 4581			Advanced	Advanced	Advanced	
English 4582			Advanced	Advanced	Advanced	
English 4583			Advanced	Advanced	Advanced	
English 4584			Advanced	Advanced	Advanced	
English 4585			Advanced	Advanced	Advanced	
English 4586			Advanced	Advanced	Advanced	
English 4587			Advanced	Advanced	Advanced	
English 4588			Advanced	Advanced	Advanced	
English 4589			Advanced	Advanced	Advanced	
English 4590.01H			Advanced	Advanced	Advanced	
English 4590.02H			Advanced	Advanced	Advanced	
English 4590.03H			Advanced	Advanced	Advanced	
English 4590.04H			Advanced	Advanced	Advanced	
English 4590.05H			Advanced	Advanced	Advanced	
English 4590.06H			Advanced	Advanced	Advanced	
English 4590.07H			Advanced	Advanced	Advanced	
English 4590.08H			Advanced	Advanced	Advanced	
English 4590.09H			Advanced	Advanced	Advanced	
English 4591.01H			Advanced	Advanced	Advanced	
English 4591.02H			Advanced	Advanced	Advanced	
English 4592			Advanced	Advanced	Advanced	
English 4595			Advanced	Advanced	Advanced	
English 4597.01			Advanced	Advanced	Advanced	
English 4597.02			Advanced	Advanced	Advanced	
English 5664			Advanced	Advanced	Advanced	
English 5710			Advanced	Advanced	Advanced	
English 5721			Advanced	Advanced	Advanced	
English 5722			Advanced	Advanced	Advanced	
English 5723			Advanced	Advanced	Advanced	

Appendix 7

English Concentration Advising Sheets

ENGLISH MAJOR – LITERATURE CONCENTRATION FOR PRE-EDUCATION (LIT-ED)

Department of English | The Ohio State University
 421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu
 Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students who intend to pursue further study and eventual licensure in Integrated Language Arts, Adolescence to Young Adult (Grades 7-12) by the State of Ohio should plan to complete the English Major – *Literature Concentration for Pre-Education Students* (LIT-ED). Once these students earn their B.A. in English, they typically go on to seek admission to either (a) a post-baccalaureate program in Integrated Language Arts with licensure, or (b) an M.Ed. program in Integrated Language Arts with licensure.

Students pursuing the English major – *Literature Concentration for Pre-Education* (LIT-ED) will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3398.

Survey of English Literature and Literary History (9 hrs total)

- English 2201 British Literature: Origins to 1800 (3 hrs)
- English 2290 Colonial & U.S. Literature to 1865 (3 hrs)
- Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

English 2202 British Literature: 1800 to Present	English 2291 U.S. Literature: 1865 to Present
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Literature Concentration for Pre-Education Students (30 - 32 hrs total)

- English 3398 Introduction to the Study of Literature (*minimum grade of C required*; 3 hrs)
- Chose One Educational Field Experience Option (3 – 5 hrs)
- EDUTL 2189 Field Experience (3 hrs)
- EDUTL 3356 Literature for Adolescents (3 hrs)
- English 4583 World Literature in English (3 hrs)
- English 4592 Topics in Women in Literature and Cultures (3 hrs)
- English 3271 Structure of the English Language (3 hrs) **OR** English 4570 Introduction to the History of English (3 hrs)
- Choose One Shakespeare Course (3 hrs)

ESCE 2891 (2 hrs) and ESCE 2189 (3 hrs) First Education Experience Program
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English 4520.01 Shakespeare	English 4520.02 Topics in Shakespeare
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- Choose One Film Course (3 hrs; *honors students must take English 4578H [bolded] to fulfill this requirement*)

English 3378 Topics in Film & Lit	English 4578 Topics in Film	English 4578H Topics in Film
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- Choose One U.S. Minority Literature Course (3 hrs)

English 4580 Topics in LGBTQ Literatures/Cultures	English 4586 Studies in American Indian Literature/Culture
English 4581 Topics in U.S. Ethnic Literatures	English 4587 Studies in Asian American Literature/Culture
English 4582 Topics in African-American Lit	English 4588 Studies in Latino/a Literature/Culture

- Choose One Pre-1900 Literature Course at the 3000-level or higher (3 hrs; *honors students must take one of the [bolded] honors seminars to fulfill this requirement*)

4513 Intro to Medieval Lit	4540 19 th -Century British Poetry	4590.02H The Renaissance
4520.01 Shakespeare	4542 19 th -Century British Novel	4590.03H The Long 18th Century
4520.02 Topics in Shakespeare	4550 Topics in Colonial & Early National Lit of the U.S.	4590.04H Romanticism
4521 Renaissance Drama	4551 Topics in 19 th -Century U.S. Lit	4590.05H The Later 19th Century
4522 Renaissance Poetry	4552 Topics in American Poetry through 1915	4590.08H U.S. and Colonial Lit
4523 Topics in Renaissance Lit/Culture	4564.01 Major Author, Medieval & Renaissance British Lit	5710.01 Intro to Old English Language & Lit
4531 Restoration & 18th-Century Lit	4564.02 Major Author, 18 th - & 19 th -Century Lit	5720.01 Graduate Studies, Shakespeare
4533 Early British Novel: Origins to 1830	4564.03 Major Author, American Lit to 1900	5721.01 Grad Studies, Renaissance Drama
4535 Topics in Restoration & 18th-Century Lit/Culture	4590.01H The Middle Ages	5722.01 Grad Studies, Renaissance Poetry
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Although the following courses are not required to complete the English Pre-Education major, these courses are prerequisites for the Ohio State School of Teaching & Learning's M.Ed. program in English Education/Integrated Language Arts:
▪ Public Speaking Course: *Either* COMM 2110 *or* COMM 2131
▪ Intro to Exceptional Children: ESSPED 5650
▪ Adolescent Development: *Either* ESEPSY 5401 *or* PSYCH 3551
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HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

English majors who are members of the ASC Honors Program will complete all 13 course requirements (39 hours) as required by the English major program; however, they must:

- Take English 4578H to complete the Film requirement
- Choose One of the following courses to complete the Pre-1900 Literature requirement

4590.01H The Middle Ages	4590.04H Romanticism
4590.02H The Renaissance	4590.05H The Later 19th Century
4590.03H The Long 18th Century	4590.08H U.S. and Colonial Lit

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

Students planning to pursue *research distinction* in English will complete at least 4 credit hours of English 4999 (4999H for honors students), the course number assigned for work on undergraduate theses, in addition to the 39 hours required for the major. To graduate with research distinction in English students must meet the following requirements at the time of their graduation: (a) have completed 60 graded hours at Ohio State, (b) have at least a 3.0 cumulative grade point average (*note: the GPA requirement for honors students is 3.4*), and have successfully defended their thesis during an oral examination. Information about the thesis process and requirements can be found at <http://ascadvising.osu.edu/node/192>. Honors students should consult the information and requirements available at <http://aschonors.osu.edu/honors/research-thesis>.

All English majors are encouraged to consider completing a thesis under the direction of a faculty advisor(s). Thesis projects may involve the drafting of a scholarly research paper; the production of a novel, set of short stories, or collection of poems; the analysis of narratives and/or other qualitative data collected from a particular cultural or regional community; and/or the creation of a digital media artifact. Students are encouraged to talk with members of the English faculty and their English Undergraduate Advisors, as early as possible in their undergraduate careers, if they are interested in developing a thesis project or would like more information about the thesis process and requirements.

ENGLISH MAJOR – CREATIVE WRITING (CW) CONCENTRATION

Department of English | The Ohio State University

421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

SELECTIVE ADMISSIONS TO THIS CONCENTRATION

Students interested in the English major – *Creative Writing Concentration* (CW) should note that admission to this concentration is selective. Information sessions about the CW concentration and the application and admissions process will be held periodically throughout the academic year. Students should contact their English Advisor for details about upcoming info sessions.

Students may apply for admission to the CW concentration once they have completed a 2000-level creative writing workshop and are enrolled (and currently completing) a 3000-level workshop. To apply for admission, students should email samples of their best creative writing to the Undergraduate Program Manager, Pablo Tanguay, at tanguay.1@osu.edu by the 6th Friday of the Term (Fall, Spring, Summer). In this email, students should explain their interest in the CW concentration, what creative writing classes they have taken and who their instructors were, and provide brief descriptions (1 – 2 sentences) of their attached writing samples. Writing samples should not exceed 20 pages in length. The CW Concentration committee will then review the student's application and may request to meet with them before determining whether to admit the student to the CW concentration. Students who are not admitted to the CW concentration will work with their advisor to ensure that their creative writing courses can be used toward requirements on another English major concentration area.

ENROLLING IN 4000-LEVEL CREATIVE WRITING WORKSHOPS

Admission to the 4000-level creative writing workshops (i.e., 4565, 4566, and 4568) is by permission of the instructor. Students who have been admitted to the CW concentration and who wish to enroll in a 4000-level creative writing workshop in an upcoming term should email the faculty member assigned to teach that workshop as soon as possible. Students should send the faculty member creative writing samples along with a list of the creative writing courses the student has completed.

CW CONCENTRATION AND MAJOR REQUIREMENTS

Students pursuing the English major – *CW Concentration* will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3398.

Survey of English Literature and Literary History (9 hrs total)

___ English 2201 British Literature: Origins to 1800 (3 hrs)

___ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)

___ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present	2291 U.S. Literature: 1865 to Present
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Creative Writing Concentration (21 hrs total)

___ English 3398 Introduction to the Study of Literature (*minimum grade of C required; 3hrs*)

___ ___ Choose **Two** Creative Writing Workshops, each from a different genre (*i.e., fiction, nonfiction, or poetry; 6 hrs*)

2265 Writing of Fiction I	3465 Intermed. Creative Writing: Topics in Fiction	4565 Writing of Fiction II
2266 Writing of Poetry I	3466 Intermed. Creative Writing: Topics in Poetry	4566 Writing of Poetry II
2267 Intro to Creative Writing	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4568 Writing of Creative Nonfiction II
2268 Writing of Creative Nonfiction I	---	---

___ Choose **One** Creative Writing Workshop at the 3000-level or higher (3 hrs)

3465 Intermed. Creative Writing: Topics in Fiction	4565 Writing of Fiction II
3466 Intermed. Creative Writing: Topics in Poetry	4566 Writing of Poetry II
3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4568 Writing of Creative Nonfiction II

___ Choose **One** Creative Writing Workshop or Creative Writing Course at the 3000-level or higher (3 hrs)

3465 Intermed. Creative Writing: Topics in Fiction	3662 Intro to Literary Publishing	4568 Writing of Creative Nonfiction II
3466 Intermed. Creative Writing: Topics in Poetry	4565 Writing of Fiction II	4591.01H Topics in the Study of Creative Writing
3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4566 Writing of Poetry II	---

___ ___ Choose **Two** Creative Writing Workshop at the 4000-level or higher (6 hrs)

4565 Writing of Fiction II	4566 Writing of Poetry II	4568 Writing of Creative Nonfiction II
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Diversity in English Studies (3 hrs total)

_____ Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit.	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (6 hrs total)

_____ Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)

_____ Choose **One** English Course [**bolded**] *outside the CW Concentration* at the 3000-level or higher from the list below (3 hrs)

Note: Courses at the 3000-level that are outside the CW Concentration are [bolded]

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

English majors who are members of the ASC Honors Program will complete all 13 course requirements (39 hours) as required by the English major program; however, at least 3 of these 13 courses must come from the following list of 4000-level English honors seminars:

4578H Special Topics in Film	4590.04H Romanticism	4590.08H U.S. and Colonial Lit
4590.01H The Middle Ages	4590.05H The Later 19th Century	4590.09 Topics in Lit & Literary Interpretation
4590.02H The Renaissance	4590.06H The Modern Period	4591.01H Topics in the Study of Creative Writing
4590.03H The Long 18th Century	4590.07H Lit in English After 1945	4591.02H Topics in the Study of Rhetoric

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

Students planning to pursue *research distinction* in English will complete at least 4 credit hours of English 4999 (4999H for honors students), the course number assigned for work on undergraduate theses, in addition to the 39 hours required for the major. To graduate with research distinction in English students must meet the following requirements at the time of their graduation: (a) have completed 60 graded hours at Ohio State, (b) have at least a 3.0 cumulative grade point average (*note: the GPA requirement for honors students is 3.4*), and have successfully defended their thesis during an oral examination. Information about the thesis process and requirements can be found at <http://ascadvising.osu.edu/node/192>. Honors students should consult the information and requirements available at <http://aschonors.osu.edu/honors/research-thesis>.

All English majors are encouraged to consider completing a thesis under the direction of a faculty advisor(s). Thesis projects may involve the drafting of a scholarly research paper; the production of a novel, set of short stories, or collection of poems; the analysis of narratives and/or other qualitative data collected from a particular cultural or regional community; and/or the creation of a digital media artifact. Students are encouraged to talk with members of the English faculty and their English Undergraduate Advisors, as early as possible in their undergraduate careers, if they are interested in developing a thesis project or would like more information about the thesis process and requirements.

ENGLISH MAJOR – LITERATURE CONCENTRATION

Department of English | The Ohio State University

421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students pursuing the English major – *Literature Concentration* will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3398.

Survey of English Literature and Literary History (9 hrs total)

___ English 2201 British Literature: Origins to 1800 (3 hrs)

___ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)

___ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present | 2291 U.S. Literature: 1865 to Present

Literature Concentration (18 hrs total)

___ English 3398 Introduction to the Study of Literature (*minimum grade of C required*; 3 hrs)

___ Choose **One** Pre-1800 English Literature Course (3 hrs)

4513 Intro to Medieval Lit	4533 Early British Novel: Origins to 1830	4590.03H The Long 18th Century
4520.01 Shakespeare	4535 Topics in Restoration & 18th-Century Lit/Culture	5710.01 Intro to Old English Language & Lit
4520.02 Topics in Shakespeare	4550 Topics in Colonial & Early National Lit of the U.S.	5720.01 Graduate Studies, Shakespeare
4521 Renaissance Drama	4564.01 Major Author, Medieval & Renaissance British Lit	5721.01 Grad Studies, Renaissance Drama
4522 Renaissance Poetry	4590.01H The Middle Ages	5722.01 Grad Studies, Renaissance Poetry
4523 Topics in Renaissance Lit/Culture	4590.02H The Renaissance	5723.01 Grad Studies, Renaissance Lit/Culture
4531 Restoration & 18th-Century Lit		

___ Choose **One** Pre-1900 English Literature Course (3 hrs)

Any Upper-Level Pre-1800 Lit Course	4551 Topics in 19 th -Century U.S. Lit	4564.03 Major Author, American Lit to 1900
4540 19 th -Century British Poetry	4552 Topics in American Poetry through 1915	4590.04H Romanticism
4542 19 th -Century British Novel	4564.02 Major Author, 18 th - & 19 th -Century Lit	4590.05H The Later 19 th Century

___ ___ Choose **Three** Literature Course Elective at the 3000-level or higher (9 hrs)

3331 Thinking Theoretically	4550 Topics in Colonial & Early National Lit of the U.S.	4582 Topics in African-American Lit
3361 Narrative & Medicine	4551 Topics in 19th-Century U.S. Lit	4583 Topics in World Lit in English
3364 Topics in Popular Culture	4552 Topics in American Poetry Through 1915	4586 Studies in American Indian Lit/Culture
3372 Science Fiction and/or Fantasy	4553 20th-Century U.S. Fiction	4587 Studies in Asian American Lit/Culture
3378 Topics in Film & Lit	4559 Intro to Narrative & Narrative Theory	4588 Studies in Latino/a Lit/Culture
4400 Literary Locations	4560 Topics in Poetry	4589 Studying the Margins: Language, Power, & Culture
4513 Intro to Medieval Lit	4561 Studies in Fictional & Nonfictional Narrative	4590.01H The Middle Ages
4514 Middle English Lit	4562 Studies in Lit & the Other Arts	4590.02H The Renaissance
4515 Chaucer	4563 Contemporary Lit	4590.03H Long 18th Century
4520.01 Shakespeare	4564.01 Major Author, Medieval & Renaissance British Lit	4590.04H Romanticism
4520.02 Topics in Shakespeare	4564.02 Major Author, 18th- & 19th-Century British Lit	4590.05H The Later 19th Century
4521 Renaissance Drama	4564.03 Major Author, American Lit to 1900	4590.06H The Modern Period
4522 Renaissance Poetry	4564.04 Major Author, 20th-Century Lit	4590.07H Lit in English after 1945
4523 Topics in Renaissance Lit/Culture	4575 Topics in Literary Forms & Themes	4590.08H U.S. & Colonial Lit
4531 Restoration & 18th-Century Lit	4576.01 History of Critical Theory I: Plato to Aestheticism	4590.09H Topics in Lit & Literary Interpretation
4533 Early British Novel: Origins to 1830	4576.02 History of Critical Theory II: 1900 to Present	4592 Topics in Women in Literature/Culture
4535 Topics in Restoration & 18th-Century British Lit/Culture	4576.03 History of Critical Theory III: Issues & Movements	4595 Lit & Law
4540 19th-Century British Poetry	4578 Topics in Film	5664 Studies in Graphic Narrative
4542 19th-Century British Novel	4578H Topics in Film	5710.01 Intro to Old English Language & Lit
4543 20th-Century British Fiction	4579 Topics in Nonfiction	5720.01 Grad Studies in Shakespeare
4547 20th-Century Poetry	4580 Topics in LGBTQ Literatures/Cultures	5721.01 Grad Studies in Renaissance Drama
4549 Modern Drama	4581 Topics in U.S. Ethnic Literatures	5722.01 Grad Studies in Renaissance Poetry
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Diversity in English Studies (3 hrs total)

___ Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit.	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (9 hrs total)

___ Choose **One** English Course at the 2000-level or higher from the list below (3 hrs)

___ Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)

___ Choose **One** English Course [**bolded**] outside the LIT Concentration at the 3000-level or higher from the list below (3 hrs)

Note: Courses at the 3000-level that are outside the LIT Concentration are [bolded]

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

English majors who are members of the ASC Honors Program will complete all 13 course requirements (39 hours) as required by the English major program; however, at least 3 of these 13 courses must come from the following list of 4000-level English honors seminars:

4578H Special Topics in Film	4590.04H Romanticism	4590.08H U.S. and Colonial Lit
4590.01H The Middle Ages	4590.05H The Later 19th Century	4590.09 Topics in Lit & Literary Interpretation
4590.02H The Renaissance	4590.06H The Modern Period	4591.01H Topics in the Study of Creative Writing
4590.03H The Long 18th Century	4590.07H Lit in English After 1945	4591.02H Topics in the Study of Rhetoric

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

Students planning to pursue *research distinction* in English will complete at least 4 credit hours of English 4999 (4999H for honors students), the course number assigned for work on undergraduate theses, in addition to the 39 hours required for the major. To graduate with research distinction in English students must meet the following requirements at the time of their graduation: (a) have completed 60 graded hours at Ohio State, (b) have at least a 3.0 cumulative grade point average (*note: the GPA requirement for honors students is 3.4*), and have successfully defended their thesis during an oral examination. Information about the thesis process and requirements can be found at <http://ascadvising.osu.edu/node/192>. Honors students should consult the information and requirements available at <http://aschonors.osu.edu/honors/research-thesis>.

All English majors are encouraged to consider completing a thesis under the direction of a faculty advisor(s). Thesis projects may involve the drafting of a scholarly research paper; the production of a novel, set of short stories, or collection of poems; the analysis of narratives and/or other qualitative data collected from a particular cultural or regional community; and/or the creation of a digital media artifact. Students are encouraged to talk with members of the English faculty and their English Undergraduate Advisors, as early as possible in their undergraduate careers, if they are interested in developing a thesis project or would like more information about the thesis process and requirements.

ENGLISH MAJOR – WRITING, RHETORIC, & LITERACY (WRL) CONCENTRATION

Department of English | The Ohio State University

421 Denney Hall | 164 Annie and John Glenn Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students pursuing the English major – *WRL Concentration* must complete 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 3379.

Digital Media Studies Requirement (0 hrs total)

___ Choose **One** Digital Media Studies Course (0 hrs; *this is an overlapping requirement**)

2269 Digital Media Composing	4569 Digital Media & English Studies
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*This is an overlapping requirement. Students should plan to take either (a) English 2269 Digital Media Composing, which will fulfill the 2000-level elective requirement under the Electives in English Studies category below, or (b) English 4569 Digital Media & English Studies, which will fulfill the Writing and Writing Studies requirement or one of the WRL Course Elective requirements.

Survey of English Literature and Literary History (9 hrs total)

___ English 2201 British Literature: Origins to 1800 (3 hrs)

___ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)

___ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present	2291 U.S. Literature: 1865 to Present
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Writing, Rhetoric, & Literacy Concentration (18 hrs total)

___ English 3379 Introduction to Writing, Rhetoric, & Literacy (*minimum grade of C required*; 3 hrs)

___ Choose **One** Writing and Writing Studies Course (3hrs)

3304 Business & Professional Writing	3467S Issues & Methods in Tutoring Writing	4569 Digital Media & English Studies
3305 Technical Writing	4150 Cultures of Professional Writing (CSTW 4150)	---
3405 Topics in Professional Communication	4567S Rhetoric & Community Service	---

___ Choose **One** Rhetorical Studies Course (3 hrs)

4573.01 Rhetorical Theory & Criticism	4574 History & Theories of Writing
4573.02 Rhetoric & Social Action	4591.02H Topics in the Study of Rhetoric
4555 Legal Rhetoric and Argumentation	4555 Rhetoric and Legal Argumentation

___ Choose **One** Literacy and Language Studies Course (3 hrs)

4571 Studies in English Language	4584 Topics in Literacy Studies	3271 Structure of the English Language
4572 Traditional Grammar & Usage	4585 History of Literacy	----

___ Choose **Two** WRL Course Elective at the 3000-level or higher (6 hrs)

3271 Structure of the English Language	4150 Cultures of Professional Writing (CSTW 4150)	4573.01 Rhetorical Theory & Criticism
3304 Business & Professional Writing	4567S Rhetoric & Community Service: A Writing Seminar	4573.02 Rhetoric & Social Action
3305 Technical Writing	4569 Digital Media & English Studies	4574 History & Theories of Writing
3405 Topics in Professional Communication	4570 Intro to the History of English	4584 Topics in Literacy Studies
3467S Issues & Methods in Tutoring Writing	4571 Studies in the English Language	4585 History of Literacy
3597.03 Environmental Citizenship	4572 Traditional Grammar & Usage	4591.02H Topics in the Study of Rhetoric

Diversity in English Studies (3 hrs total)

_____ Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (9 hrs total)

_____ Choose **One** English Course at the 2000-level or higher from the list below (3 hrs)

_____ Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)

_____ Choose **One** English Course [**bolded**] outside the WRL Concentration at the 3000-level or higher from the list below (3 hrs)

Note: Courses at the 3000-level that are outside the WRL Concentration are [bolded]

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods
2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
3379 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4572 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
3304 Business & Professional Writing	4564.03 Major Author, American Lit to 1900	4595 Literature & Law
3305 Technical Writing	4564.04 Major Author, 20th-Century Lit	4597.01 Disability Experience in the Contemporary World
3331 Thinking Theoretically	4565 Writing of Fiction II	4597.02 American Regional Cultures in Transition
3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
3364 Topics in Popular Culture	4567S Rhetoric & Community Service: A Writing Seminar	5664 Studies in Graphic Narrative
3372 Science Fiction and/or Fantasy	4568 Writing of Creative Nonfiction II	5710.01 Intro to Old English Language and Lit
3378 Topics in Film & Lit	4569 Digital Media & English Studies	5720.01 Grad Studies in Shakespeare
3405 Topics in Professional Communication	4570 Intro to the History of English	5721.01 Grad Studies in Renaissance Drama
3465 Intermed. Creative Writing: Topics in Fiction	4571 Studies in the English Language	5722.01 Grad Studies in Renaissance Poetry
3466 Intermed. Creative Writing: Topics in Poetry	4572 Traditional Grammar & Usage	5723.01 Grad Studies in Renaissance Lit/Culture
3467S Issues & Methods in Tutoring Writing	4573.01 Rhetorical Theory & Criticism	---

HONORS STUDENTS: ADDITIONAL MAJOR REQUIREMENTS

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4578H Special Topics in Film	4590.04H Romanticism	4590.08H U.S. and Colonial Lit
4590.01H The Middle Ages	4590.05H The Later 19th Century	4590.09 Topics in Lit & Literary Interpretation
4590.02H The Renaissance	4590.06H The Modern Period	4591.01H Topics in the Study of Creative Writing
4590.03H The Long 18th Century	4590.07H Lit in English After 1945	4591.02H Topics in the Study of Rhetoric

HOW TO GRADUATE WITH RESEARCH DISTINCTION IN ENGLISH

Students planning to pursue *research distinction* in English will complete at least 4 credit hours of English 4999 (4999H for honors students), the course number assigned for work on undergraduate theses, in addition to the 39 hours required for the major. To graduate with research distinction in English students must meet the following requirements at the time of their graduation: (a) have completed 60 graded hours at Ohio State, (b) have at least a 3.0 cumulative grade point average (*note: the GPA requirement for honors students is 3.4*), and have successfully defended their thesis during an oral examination. Information about the thesis process and requirements can be found at <http://ascadvising.osu.edu/node/192>. Honors students should consult the information and requirements available at <http://aschonors.osu.edu/honors/research-thesis>.

All English majors are encouraged to consider completing a thesis under the direction of a faculty advisor(s). Thesis projects may involve the drafting of a scholarly research paper; the production of a novel, set of short stories, or collection of poems; the analysis of narratives and/or other qualitative data collected from a particular cultural or regional community; and/or the creation of a digital media artifact. Students are encouraged to talk with members of the English faculty and their English Undergraduate Advisors, as early as possible in their undergraduate careers, if they are interested in developing a thesis project or would like more information about the thesis process and requirements.

ENGLISH MAJOR – FOLKLORE (FLK) CONCENTRATION

Department of English | The Ohio State University
421 Denney Hall | 164 W. 17th Avenue | english.osu.edu

Call 614-292-6065 to make an advising appointment or to find out about our daily drop-in advising hours.

Students pursuing the English major – *FLK Concentration* will complete a minimum of 13 courses (39 hours). Students must have a cumulative minimum grade point average of 2.0 (C) for all courses in the major program and a minimum grade of C- for each individual major course. A minimum grade of C is required for English 2270.

Survey of English Literature and Literary History (9 hrs total)

- ___ English 2201 British Literature: Origins to 1800 (3 hrs)
- ___ English 2290 Colonial & U.S. Literature to 1865 (3 hrs)
- ___ Choose **One** Post-1800 Survey Course in British or American Literature (3 hrs)

2202 British Literature: 1800 to Present	2291 U.S. Literature: 1865 to Present
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Folklore Concentration (18 hrs total)

- ___ English 2270 or English 2270H Introduction to Folklore (*minimum grade of C required*; 3 hrs)
- ___ English 4571 Studies in the English Language, or a pre-approved sociolinguistics course at the 3000-level or higher (3hrs)
- ___ English 4590.04H Romanticism, or a pre-approved Romanticism course at the 3000-level or higher (3 hrs)
- ___ ___ Choose **Two** Folklore Courses in English at the 3000-level or higher (6 hrs)

4577.01 Folklore I: Groups & Communities	4577.03 Folklore III: Issues & Methods
4577.02 Folklore II: Genres, Form, Meaning, & Use	4597.02 American Regional Cultures in Transition

- ___ Choose **One** Folklore Course in English or any other department at the 2000-level or higher (3 hrs)

See attached list of Folklore Courses Offered in Other Departments		4577.03 Folklore III: Issues & Methods
4577.01 Folklore I: Groups & Communities		4597.02 American Regional Cultures in Transition
4577.02 Folklore II: Genres, Form, Meaning, & Use		

Diversity in English Studies (3 hrs total)

- ___ Choose **One** Diversity in English Studies Course (3 hrs)

4577.01 Folklore I: Groups & Communities	4586 Studies in American Indian Literature/Culture	4592 Topics in Women in Literature and Culture
4580 Topics in LGBTQ Literatures/Cultures	4587 Studies in Asian American Literature/Culture	4597.01 Disability Experience in the Contemporary World
4581 Topics in U.S. Ethnic Literatures	4588 Studies in Latino/a Literature/Culture	4601 Language & the Black Experience
4582 Topics in African-American Lit	4589 Studying the Margins: Power, Language, & Culture	

Electives in English Studies (9 hrs total)

- ___ Choose **One** English Course at the 2000-level or higher from the list below (3 hrs)
- ___ Choose **One** English Course at the 3000-level or higher from the list below (3 hrs)
- ___ Choose **One** English Course [**bolded**] *outside the FLK Concentration* at the 3000-level or higher from the list below (3 hrs)

Note: Courses at the 3000-level that are outside the FLK Concentration are [bolded]

2201 British Lit: Medieval through 1800	3468 Intermed. Creative Writing: Topics in Creative Nonfiction	4573.02 Rhetoric & Social Action
2201H British Lit: Medieval through 1800	3597.03 Environmental Citizenship	4574 History & Theories of Writing
2202 British Lit: 1800 to Present	3662 Intro to Literary Publishing	4575 Topics in Literary Forms & Themes
2202H British Lit: 1800 to Present	4150 Cultures of Professional Writing (CSTW 4150)	4576.01 History of Critical Theory I: Plato to Aestheticism
2220 Intro to Shakespeare	4400 Literary Locations	4576.02 History of Critical Theory II: 1900 to Present
2220H Intro to Shakespeare	4513 Intro to Medieval Lit	4576.03 History of Critical Theory III: Issues and Movements
2260 Intro to Poetry	4514 Middle English Lit	4577.01 Folklore I: Groups & Communities
2260H Intro to Poetry	4515 Chaucer	4577.02 Folklore II: Genres, Form, Meaning, & Use
2261 Intro to Fiction	4520.01 Shakespeare	4577.03 Folklore III: Issues & Methods

For students admitted to the major Fall 2014 or later: 2 of 2

2261H Intro to Fiction	4520.02 Topics in Shakespeare	4578 Topics in Film
2262 Intro to Drama	4521 Renaissance Drama	4578H Topics in Film
2262H Intro to Drama	4522 Renaissance Poetry	4579 Topics in Nonfiction
2263 Intro to Film	4523 Topics in Renaissance Lit/Culture	4580 Topics in LGBTQ Literatures/Cultures
2264 Intro to Popular Culture Studies	4531 Restoration & 18th-Century Lit	4581 Topics in U.S. Ethnic Literatures
2265 Writing of Fiction I	4533 Early British Novel: Origins to 1830	4582 Topics in African-American Lit
2266 Writing of Poetry I	4535 Topics in Restoration & 18th-Century British Lit/Culture	4583 Topics in World Lit in English
2267 Intro to Creative Writing	4540 19th-Century British Poetry	4584 Topics in Literacy Studies
2268 Writing of Creative Nonfiction I	4542 19th-Century British Novel	4585 History of Literacy
2269 Digital Media Composing	4543 20th-Century British Fiction	4586 Studies in American Indian Lit/Culture
2270 Intro to Folklore	4547 20th-Century Poetry	4587 Studies in Asian American Lit/Culture
2270H Intro to Folklore	4549 Modern Drama	4588 Studies in Latino/a Lit/Culture
2275 Thematic Approaches to Lit	4550 Topics in Colonial & Early National Lit of the U.S.	4589 Studying the Margins: Language, Power, & Culture
2276 Arts of Persuasion	4551 Topics in 19th-Century U.S. Lit	4590.01H The Middle Ages
2277 Intro to Disability Studies	4552 Topics in American Poetry Through 1915	4590.02H The Renaissance
2279 Intro to Writing, Rhetoric, Literacy	4553 20th-Century U.S. Fiction	4590.03H The Long 18th Century
2280 English Bible	4554 English Studies & Global Human Rights	4590.04H Romanticism
2280H English Bible	4555 Rhetoric and Legal Argumentation	4590.05H The Later 19th Century
2281 Intro to African-American Lit	4559 Intro to Narrative & Narrative Theory	4590.06H The Modern Period
2282 Intro to Queer Studies	4560 Topics in Poetry	4590.07H Lit in English after 1945
2290 Colonial and U.S. Lit to 1865	4561 Studies in Fictional & Nonfictional Narrative	4590.08H U.S. & Colonial Lit
2291 U.S. Lit: 1865 to Present	4562 Studies in Lit & the Other Arts	4590.09H Topics in Lit & Literary Interpretation
2296H Lit and Intellectual Movements	4563 Contemporary Lit	4591.01H Topics in the Study of Creative Writing
3398 Intro to the Study of Lit	4564.01 Major Author, Medieval & Renaissance British Lit	4591.02H Topics in the Study of Rhetoric
3271 Structure of the English Lang	4564.02 Major Author, 18th- & 19th-Century British Lit	4592 Topics in Women in Lit/Culture
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3361 Narrative & Medicine	4566 Writing of Poetry II	5191 English Internship
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Folklore electives at the 2000-level or higher

<p>Comparative Studies 2105 Literature and Ethnicity 2214 Intro to Sexuality Studies 2220 Intro to South Asian Studies 2264 Reading Popular Culture 2265 Intro to Visual Representation 2301 Intro to World Literature 2321 Intro to Asian American Studies 2322 Intro to Latino/a Studies 2340 Intro to Cultures of Science and Technology or 2341 Technology, Science, and Society 2343 Slavery, Gender, and Race in the Atlantic World 2350 Intro to Folklore 2360 Intro to Comparative Cultural Studies 2370 Intro to Comparative Religion 2864H Modernity and Postmodernity: Issues and Ideas 3302 Translating Literatures and Cultures 3603 Love in World Literature 3604 Women in East Asian and Asian American Literature 3606 The Quest in World Literature 3620 Everyday Life in South Asia 3646 Cultures, Natures, Technologies 3657 Contemp Folklore in the Arab World 3671 The Religions of India 3672 Native American Religions 3673 the Buddhist Tradition 3674 African Religions 3675 Religions of Mesoamerica 3677 South Asian American Religion & Culture 3678 Religion and American Culture 3686 Cultural Studies of American Musics 3689 Transnationalism & Culture in the Americas 3990 Approaches to Comparative Studies 4564 Topics in Literacy Studies 4565 History of Literacy 4655 Studies in Ethnography 4658 Folklore of the Americas 4661 The City and Culture 4685 Comparative Ethnic and American Studies 4803 Asian American Literature and Culture 4804 Latino/a Literature and Culture 4805 Literature of the Americas 4822 Native American Identity 4845 Gender, Sexuality, and Science 4846 Social Studies of Objects and Networks 4871 Religion and American Politics 4872H Varieties of Christianity</p>	<p>4873 Contemporary Religious Movements in Global Context 4874 New Age and New Religious Movements 4875 Gender, Sexuality, and Religion 4876 Comparative Sacred Architectue 4877 Myth and Ritual 4878 Rites, Ritual, and Ceremony 4903 World Literature: Theory and Practice 4921 Intersections: Approaches to Race, Gender, Class, and Sexuality 4972 Theory and Method in the Study of Religion 5602 Poetry and Politics in the 20th-century Mediterranean 5668 Studies in Orality and Literacy 5691 Topics in Comparative Studies 5864 Modernity and Postmodernity: Concepts and Theories 5871 Japanese Religious Traditions: Comparative Folklore Folklore in Circulation 5970 Foundational Approaches to the Study of Religion 5971 Contemporary Approaches to the Study of Religion</p> <p>African American and African Studies 2080 African American History to 1877 2081 African American History from 1877 2085 Exploring Race and Ethnicity in Ohio: Black Ohio in the 19th Century 2201 Major Readings in African American and African Studies 2218 Black Urban Experience 2251 Introduction to African Literature 2253 Introduction to Caribbean Literature 2270 Intro to Black Popular Culture 2281 Intro to African American Literature 2288 Bebop to Doowop to Hiphop: The Rhythm and Blues Traditiion 2290 Black Youth 3080 Slavery in the United States 3081 Free Blacks in Antebellum America 3082 Black Americans during the Progressive Era 3083 Civil Rights and Black Power Movements' 3086 Black Women in Slavery and Freedom 3089 Studies in African American History 3230 Black Women: Culture and Politics 3310 Global Perspectives on the African Diaspora 3320 History of African Cinema 3342H Music, Religion, and Ritual in Africa</p>	<p>3376 Arts and Cultures of Africa and the Diaspora 3440 Theorizing Race 3451 Themes in Francophone African and Caribbean Literature 4378 History of Jazz 4452 Swahili Literature I 4453 Swahili Literature II 4460 Theories in Africana Literature 4535 Topics in Black Masculinity 4551 Topics in African American Lit 4565 Topics in African Diaspora Studies 4570 Theorizing Colonialism in the Post-Colonial 4571 Black Visual Culture and Popular Media 4582 Studies in African American Literature 4584H Lit & Modern Experience in Africa 4921 Intersections: Approaches to Race, Gender, Class, and Sexuality</p> <p>Anthropology 2202 Peoples & Cultures: Introduction to Cultural Anthropology 2241 The Middle East Close-Up: People, Cultures, Societies 3334 Zombies: The Anthropology of the Undead 3417 Regional Survey of China 3418 Regional Survey of the Anthropology of Africa 3419 Regional Survey of Latin American Cultures and Migration in Global Perspective 3420 Regional Survey of the Indians of N. America 3525 History of Anthropological Theory 5601 Sociocultural Aspects of Health 5614 Ethnobotany 5621 Anthropology of Women 5622 Peasant Society and Culture 5623 Cultural Ecology 5624 Anthropology of Food: Culture, Society, and Eating 5625 Anthropology of Religion 5626 Economic Anthropology</p> <p>Arabic 2241 Culture of the Contemporary Arab World 2705 The Arabian Nights 3301 Contemporary Folklore in the Arab World 5701 The Qu'ran in Translation 5702 Arabic Folk Narrative in Translation 5703 Common Heritage: Biblical Figures in the Qu'ran</p> <p>Chinese 2231 Traditional Chinese Culture</p>
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2232 Modern Chinese Culture
 4406 China Pop: Contemporary Popular Culture and Media in Greater China
 4407 Eco-Literature in China
 5400 Performance Traditions of China
 5474 Chinese Opera

Classics

2201 Classical Civilization: Greece
 2202 Classical Civilization: Rome
 2203 Byzantine Civilization: Constantinople and the Empire of New Rome
 2204 Medicine in the Ancient World
 2205 Sports & Spectacles in the Ancient World
 2220 Classical Mythology
 2890H Topics in Ancient Literature and Society
 3100 Topics in Ancient Literature and Culture
 3101 Greek and Roman Epic
 3215 Sex and Gender in Greece and Rome
 3401 Religion in the Graeco-Roman World
 3402 Ancient Gods, Changing Identities
 3403 The Hero in Classical Mythology
 3405 Christians in the Greco-Roman World
 3408 Ancient Roman Religion

East Asian

3223 The Buddhist Tradition
 3241 Thought in China, Japan, and Korea
 3299H East Asian Thought in the Western Imagination
 3446 Asian American Film
 3457 East Asian Folklore
 5475 Women Writers, Culture, and Society in East Asia
 5477 Performance Traditions in Contemporary East Asia

English

2264 Intro to Popular Culture Studies
 2270 Intro to Folklore
 2277 Introduction to Disability Studies
 2280 The English Bible
 2281 Intro to African-American Literature
 2282 Intro to Queer Studies
 2367.05 The U.S. Folk Experience
 3361 Narrative and Medicine
 3364 Special Topics in Popular Culture
 4559 Intro to Narrative and Narrative Theory
 4562 Studies in Literature and the Other Arts
 4571 Studies in the English Language Rhetorical Theory and Criticism Rhetoric and Social Action Folklore I: Groups and Communities

Folklore II: Genres, Form, Meaning, and Use
 Folklore III: Issues and Methods
 4580 Special Topics in LGBTQ Literatures and Cultures
 4581 Special Topics in U.S. Ethnic Literatures
 4582 Studies in African American Literature
 4583 Special Topics in World Literature in English
 4584 Special Topics in Literacy Studies
 4585 History of Literacy
 4586 Studies in American Indian Literature & Culture
 4587 Studies in Asian American Literature and Culture
 4588 Studies in Latino/a Literature and Culture
 4592 Special Topics in Women in Literature and Culture
 4597.02 American Regional Cultures in Transition
 4601 Language and the Black Experience

French

2501 Topics in French Literature and Culture in Translation
 *3201 French Literary and Visual Texts
 *3202 Literary and Visual Texts of the Francophone World
 *3402 Introduction to Francophone Cultures
 *3403 Topics in French-Speaking Cultures
 3801 French-American Culture Wars

German

2251 German Lit & Popular Culture
 3252 The Holocaust in Literature and Film

Hebrew

2210 The Jewish Mystical Tradition
 2241 Culture of Contemporary Israel
 2703 Prophecy in Biblical and Post-Biblical Literature
 2704 Women in the Bible and Beyond
 2705 The Holocaust in Literature and Film

History

2045 History of American Religion to the Civil War
 2070 Introduction to Native American History
 2071 American Indian History of the U.S. Midwest
 2075 Introduction to U.S. Latino/a History
 2079 Asian American History
 2080 African American History to 1877
 2081 African American History from 1877
 2110 Intro to Native American Peoples from Mesoamerica

2111 Intro to Native American People of the Andes
 2115 Women and Gender in Latin America
 2120 Revolutions and Social Movements in Modern Latin America
 2270 Love in the Modern World
 2275 Children and Childhood in the Western World
 2455 Jews in American Film
 2610 Introduction to Women and Gender in the U.S.
 2620 Women Changing the World: Histories of Activism and Struggle
 2630 History of Modern Sexualities
 2750 Natives and Newcomers: Immigration and Migration in U.S. History
 3070 Native American History from European Contact to Removal, 1560-1820
 3071 Native American History from Removal to Present
 3075 Mexican American Chicano/a History
 3080 Slavery in the United States
 3081 Free Blacks in Antebellum America
 3082 Black Americans during the Progressive Era
 3083 Civil Rights and Black Power Movements
 3085 African American History through Contemporary Film
 3086 Black Women in Slavery and Freedom
 3089 Studies in African American History
 3230 Black Women: Culture and Politics
 3310 Global Perspectives on the African Diaspora
 3352 Marginal Groups in the Non-Western World
 3600 Studies in Women's and Gender History
 3612 Asian American Women: Race, Sex, and Representations
 3630 Same-Sex Sexuality in a Global Context
 3640 Medieval Women: Power, Piety, and Production
 3641 Women and Gender in Early Modern Europe: 1450-1750
 3642 Women in Modern Europe, from the 18th Century to the Present
 3650 Families in Historical Perspective
 3750 Race, Ethnicity, and History in Global Perspective
 4585 History of Literacy

International Studies

4800 Cultural Diplomacy

Japanese

2231 Elements of Japanese Culture
 4400 Japanese Film and Visual Media
 5400 Performance Traditions of Japan

Jewish Studies

2201 Intro to Jewish Studies
2210 The Jewish Mystical Tradition
2241 Yiddish Culture
2242 Culture of Contemporary Israel
2454 History of Anti-Semitism
2475 History of the Holocaust
3465 American Jewish History

Korean

2231 Elements of Korean Culture
5256 Interdisciplinary Topics in Korean
Politics and Society
5400 Performance Traditions of Korea
Literature
5455 Interdisciplinary Courses in Korean
Art, Music, Film, and Theatre

Medieval and Renaissance Studies

2666 Magic and Witchcraft in the Middle
Ages and Renaissance
4504 The Arthurian Legends

Modern Greek

2410 Culture of Contemporary Greece
H2500 Greek Identities: Ancient and
Modern
2680 Folklore of Contemporary Greece

Music

2250 Music Cultures of the World
2252 History of Rock and Roll
2253 Intro to Jazz
2288 Bebop to Doowop to Hiphop: The
Rhythm and Blues Tradition
3341 American Popular Music
3348 Music on the Move in a Globalized
World
3351 The World of Music
5675 Russian Folk Tradition

Near Eastern Languages and Cultures

2220 Intro to South Asian Studies
2241 The Middle East Close-Up: People,
Cultures, Societies
3101 Language Evolution and Language
Change
3201 Islam in the U.S.
3204 The Middle East in the Media 3205
Women in the Muslim Middle East 3501
Introduction to Islam
3620 Everyday Life in South Asia 3700
Mythology of Ancient Egypt and
Mesopotamia
3702 Literatures and Cultures of the
Islamic World
4597 Islamic Revival and Social Justice:
Utopian Ideals and Lived Realities
4601 Israeli and Palestinian Literature
5112 Languages and Cultures of the
Middle East
5204 Culture and Politics in Central Asia
5206 Colonial Cities in Postcolonial
Memory: The Politics of Urban
Development in the Middle East

5241 Interdisciplinary Approaches to
South Asian Studies
5575 Intellectuals in the Middle East
5668 Studies in Orality and Literacy
5672 Poetry and Politics in the
Mediterranean

Persian

2241 Persian Culture
2301 Persian Mythology and Folklore
2704 Intro to Persian Epic

Portuguese

2330 Intro to Brazilian Culture
2331 Portuguese Culture and Society
2335 Cannibal Brazil: Cultural
Encounters & Negotiations of
Identity in Lit & Culture
4560 Cultural Expressions of Portugal
and Lusophone Africa
4561 Cultural Expressions of Brazil
4597.01 Coloniality and Postcoloniality
in the Literatures of Portugal and
Portuguese-Speaking Africa

Rural Sociology

5520 Amish Society
5570 Women in Rural Society

Russian

2335 Russian Culture
3644 Russian Fairy Tales and Folklore

Scandinavian

3350 Nordic Mythology and Medieval
Culture

Slavic

2230 Vampires, Monstrosity, and Evil:
from Slavic Myth to Twilight
2345 Intro to Slavic & East European
Literature & Culture
3360 Screening Minorities:
Representations of the Other in
Slavic Film
4560H Cinderella's Fantasy: Gender &
Women in Western and Eastern
Europe

Sociology

2380 Racial and Ethnic Relations in
America
2382 Sociology of Asian American Life

Spanish

2330 Reinventing America
2331 Caribbean Cultures
2332 Introduction to Andean and
Amazonian Cultures
2510 Mexican Studies
4555 Indigenous and Colonial
Literatures of Spanish America
4557.10 Intro to Latino Literature in the
U.S.

4557.20 Intro to Other Latino Literature
in the U.S.
4560 Introduction to Spanish American
Culture
4561 Introduction to the Culture of
Spain
4565H Latin American Indigenous
Literatures and Cultures
4567 Spanish Mosaic: Catalonia, Basque
Country, Galicia and Andalusia
4590H Interdisciplinary Protocols:
Identity and National Formation in
Latin America: Perspectives from
Literature

Turkish

2241 Turkish Culture
5241 Travels in Turkey

Women's, Gender, and Sexuality Studies

2230 Gender, Sexuality, and Race in
Popular Culture
2282 Intro to Queer Studies
2300 Approaches to Feminist Inquiry
2305 Gender and Sexuality in Global
Perspective
2306 Girlhood
2340 Latina Experience in the U.S.
2550 History of Feminist Thought
2750H Natives and Newcomers: U.S.
Immigration and Migration
3306 Gender, Media, and New
Technologies
3320 Topics in Women's, Gender, and
Sexuality Studies
3370 Sexualities and Citizenship
3505 Feminist Perspectives on
Globalization
3530 Women, Environment, and
Development
4375 Women and Visual Culture
4401 Asian American Women: Race,
Sex, and Representations
4402 Black Women: Representations,
Politics, and Power
4404 Regulating Bodies: Global Sexual
Economies
4405 Race and Sexuality
4510 American Women's Movements
4520 Women of Color and Social
Activism
4524 Women and Work
4527 Studies in Gender and Cinema
4560 Chicana Feminism
4575 Women's Studies Senior Seminar
4576 Women and Visual Culture in Latin
America
4597 Gender and Democracy in the
Contemporary World
4845 Gender, Sexuality, and Science
4921 Intersections: Approaches to Race,
Gender, Class, and Sexuality
5623 African Women: History and
Socioeconomic Change
5624 Women and Social Change in Latin
America

Yiddish

2241 Yiddish Culture

3399 The Holocaust in Yiddish and
Ashkenazic Literature & Film