

ACCOUNTING, BUSINESS & ECONOMICS ADVISING GUIDE

The courses a first-year student in your program should take in the first and second semesters:

ABE offers the following three courses in both the fall and spring semester. **A first-year student should enroll in a maximum of two of the three during the fall semester.** Enrolling in all three in the fall semester is not permissible.

- EB 100 Introduction to Management – when filled, **please continue to add students to the waitlists.** We may have the capacity to add another section.
- EB 105 International Economic Issues - Required of all business POEs except Accounting.
- EB 131 Financial Accounting - when filled, **please continue to add students to the waitlist.**

Any classes offered in your department that are NOT appropriate for first-years:

Anything at the 200-level or above (except for EB 207).

Any prerequisites or necessary high school experience that your program asks of first-years. For example, does your department have requirements for AP test scores in the waiving of introductory or prerequisite courses?

N/A

Any grade requirements for courses in the POE:

None.

Any other departmental information that would be helpful to the summer orientation advisors or incoming students:

ABE POEs and secondary emphases can be found on the ABE webpages. Students are encouraged to work with their POE advisor to develop their academic plan ASAP. Students are also encouraged to begin building their professional network.

ART DEPARTMENT

The Art Department houses Studio Art (Individualized POE and Secondary Emphasis) and Integrated Media Arts (Individualized & Designated Primary POEs and Secondary Emphasis). Art History/Museum Studies required courses included for reference.

Recommended Courses for First-Year

Integrated Media Arts (IMA)
IM 110 Principles of Digital Media (CLOSED)
AR 104 Design & Color (CLOSED)
AH 108 Cross-Cultural Art 1 (2 Sections, OPEN)
CM 133 Mass Media & Society (2 Sections, OPEN)
CM 290 or IT 290 Metaverse (CLOSED)
CS 110 Computer Science I (2 Sections, OPEN)
Studio Art
AR 104 Design & Color (CLOSED)
AR 204 Digital Art (CLOSED)
Any introductory-level, discipline-specific course that is open
Art History/Museum Studies
AH 108 Cross-Cultural Art 1 (2 Sections, OPEN)
EN 272 Intro Profsnl Writing (OPEN)

Most AR (Art) and IM (Integrated Media Arts) courses are **closed**, most with waitlists. These courses **cannot be overenrolled** as course caps are based on equipment/workstations. The only way a student may get into a closed course is for an enrolled student to drop, normally occurring during Add/Drop.

Students who wish to waitlist any closed course are strongly recommended to contact the instructor of the course and let them know they are on the waitlist. Waitlisted students should also attend the first meeting (or week – consult instructor) of the course to see whether anyone has dropped the class.

First Year Student Biology Advising Memo for FALL ~~2021~~ 2022
Jay Hosler, Biology Chair (hosler@juniata.edu)

Overview. It is highly recommended that First Year Biology POE students take both Biology and Chemistry in the fall. If a student is not confident in taking both classes in the same semester, then we recommend delaying BI 101 until the spring or maybe even the fall of their sophomore year. As long as students complete the BI 101 and BI 102 by the end of their sophomore year, they will be on track to finish the upper-level courses in biology. Delaying Chemistry instead is possible but it could be more complicated for students in their sophomore and junior years, especially if they are interested in a health professions track.

The New Biology Curriculum

This will be the second year of the Biology Department's new curriculum. There are two courses in the required biology core sequence, General Biology I (BI101) and General Biology II (BI102). The overall biology POE can now be done with a minimum of 47 credits.

General Biology I (BI101): a four-credit course meeting MTWTH. Sections will be offered both semesters and the content will be identical for the fall and spring semesters. There will be no traditional wet labs in the fall semester.

- 4 sections offered in the Fall (primarily Biology POEs and Health Professions students)
- 3 sections offered in the Spring (primarily ESS students)

General Biology II (BI102): a four-credit lab-based class meeting twice a week through the course of the entire semester. This is NOT required for ESS students and is geared for Bio POEs.

- 6 sections offered in the Spring
- 1 section offered in the Fall (this section is for sophomore Bio POEs that need to retake the class or started the biology curriculum in the spring of their first year)

Note: *Integrated Chemistry Principles (CH142) and Lab (CH143):* are still required for Biology POEs and Health Professions students in the Fall.

Advising First Year students in the new Biology curriculum.

Since BI 101 will service Biology POE, ESS POEs and Health Professions students, knowing when to register for which course is important. **Please see the ADVISING FLOW CHART on the last page of this document for a simple breakdown of each advising path.**

Since we will only be advising for the fall semester, please advise students as follows:

1. If a student is **certain** they want a Biology POE or to pursue a Health Professions track:
 - a. Register them for BI101 in the Fall.
 - b. Register them for CH142 and CH143 in the Fall.
2. If a student is **certain** they want to be an ESS or Aquatics & Fisheries POE:
 - a. Register them for ESS100 in the Fall
 - b. Do **NOT** register them for BI101 in the Fall (they will take BI101 in the Spring).
3. If they are **UNCERTAIN** if they want to be Bio, ESS, Aquatics & Fisheries POE **OR** if they are considering a POE in Zoology or Wildlife Management
 - a. Register them for BI101 **and** ESS100 in the Fall.
 - b. Register them for CH142 and CH143 in the Fall.

Biology AP Exam Policy:

Score of 4 or 5: student receives 3 credits of natural science elective. AP test does not give them BI 101 or BI 102 equivalency credit. Students do not need the Biology chair signature; the registrar's office has permission to award this credit.

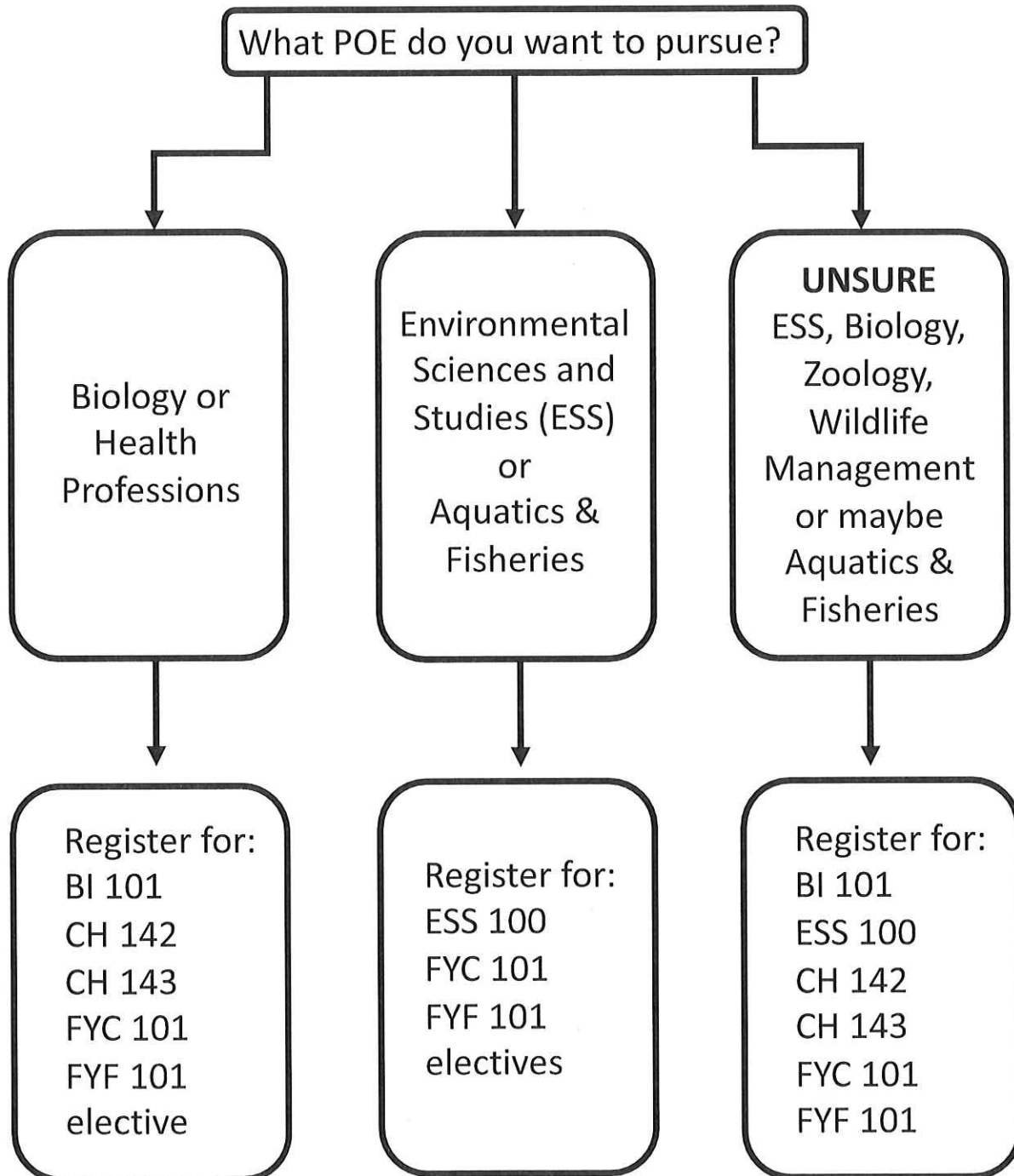
Transfer students

The Biology department does not transfer introductory courses in the POE as a Juniata equivalent. Transferring courses as BI-1XX, rather than with a direct numerical equivalent to a Juniata course, gives the student flexibility in deciding which courses suit their specific needs. Biology courses transferring from an accredited institution will transfer as BI-1XX, BI-2XX or BI-3XX/BI-4XX depending on the level of the course being transferred. If a transfer student is bringing in courses that count in the POE, discuss with the student the content of BI101 and BI102 so that the student can decide which course(s) to take here. If a student is transferring an introductory Biology course that does not count in the POE, they should register for BI101.

Please note the obnoxious use of bold and all-caps above. Those bits are important. Thanks for your consideration of our new curriculum as we register First Year students for the Fall 2021 semester. If you have any questions, please contact Jay Hosler at hosler@juniata.edu.

Best,
Jay

2022
Fall 2021 advising flow chart for
the new Biology curriculum



2022-2023

CHEMISTRY & BIOCHEMISTRY ADVISING SHEET FOR ~~2020-2021~~

Most students planning a POE in an area that requires **1-2 years of chemistry with lab** (chemistry, biochemistry, biology, **neuroscience**, engineering physics, environmental science, geology, all pre-health areas) should take the following courses in their first year:

Fall semester

- CH 142: Integrated Chemistry: Principles I (ICP I, lecture, 3 credits)
- CH 143: Integrated Chemistry: Principles I Laboratory (1 credit)

Spring semester

- CH 144: Integrated Chemistry: Principles II (ICP II, lecture, 3 credits)
- CH 145: Integrated Chemistry: Principles II Laboratory (1 credit)

The department will offer one section of CH 144 and 145 in fall 2021, and one section of CH 142 and CH 143 in spring 2022. We provide this path to increase options for student scheduling. These extra sections are also intended as a second chance for students who need to retake either ICP I or ICP II.

ICP courses serve a variety of students and present a topical survey of all five sub-disciplines of chemistry: analytical, biochemistry, inorganic, organic and physical chemistry. This is not simply a repackaged version of the "general chemistry" courses taught at most other schools (these typically focus mostly on inorganic and physical chemistry topics). The sequence will have some similarities but will provide a broader coverage of chemistry and will include an iterative presentation of key ideas that integrate all areas of chemistry.

Integrated Chemistry Principles is delivered through a "flipped classroom" approach.

Students will be expected to view short (10-20 minute) videos and complete Moodle-based quizzes before coming to class. The lecture will be replaced with in-class time to go over problems that help students apply what they have learned. There are multiple sections of the lab throughout the week. Lab sections meet for two hours for CH 143 (typically taken in the fall) and three hours for CH 145 (typically taken in the spring).

Students who have a 4 or 5 on the Chemistry AP test can receive three generic CH 1XX credits but no courses are waived—they must start with CH 142 and 143. **First year students who come to Juniata having already taken college-level general chemistry may choose to enroll in CH242 (Integrated Chemistry, Organic), a sophomore level course. However, the department requests that first year students thinking about taking CH242, speak to Chemistry & Biochemistry faculty before enrolling in the course.** We have found that students who take a sophomore-level chemistry course during their first year at Juniata often struggle unproductively with the pace and expectations.

Chemistry POEs may take CH 222 Inorganic Chemistry in the spring of their freshman year, but they may also delay this course until the sophomore or junior year. CH 222 is not required for non-Chemistry POEs, including Biochemistry POEs or those pursuing a health professions track.

Most students expressing an interest in a POE or career track in chemistry should be preregistered for CH 142 & 143. Most students expressing an interest in a POE or career track in biochemistry, biology, neuroscience, or the health professions should be preregistered for CH 142 & 143 and BI 101 in the fall semester. We can try to adjust student schedules if conflicts arise due to participation in athletics, etc. but the lecture sections of the introductory course need to be relatively balanced and there is a hard limit to how many students we can accommodate in laboratories. For this reason, make sure students understand that their first priority is to make sure they are in the courses they absolutely need and then they can consider electives that are of interest to them.

Department of Communication – Guide to Advising New Juniatians

Best courses for first year students in Fall 2022:

Introduction to Human Communication

CM130.01 BAC C109 LEC T TH 1:30-2:45 (limited seating)

This course covers a basic introduction to theoretical thinking, building blocks of the communication process, and contexts for the study of communication, such as individual identity, relationships, groups, organizations, and cultures. We focus on how to understand and analyze human beings as symbol-using, relational persons engaged in meaning making processes.

Message Analysis

CM132.01: BAC C116 MW 1:30 to 2:45

This course covers the art of persuasion and the ethics of persuasion in both speech and advertising. In it, students are introduced to rhetorical theory and methods for analyzing messages. Additionally, student create ethical and inclusive messages across media.

Mass Media and Society

CM133.01.

BAC C116 LEC MWF 12:30-1:20 Pm (limited seating)

An examination of the convergence of mass media (print, radio, television, sound, film, and internet) which serve our most common public interests. The focus is on the four primary functions to inform, to entertain, to persuade, and to transmit culture. Students have a better understanding of the tension between media as business and its social responsibility to its citizens. This course is not open to seniors.

Interpersonal Communication 1st years welcome/pre-reqs waived

CM230.01 T TH 9:00-10:15AM – OPEN SEATS

Introduces students to the various theories and styles of one-on-one communication. It emphasizes the transactional approach in the study of the communication process as it occurs in interpersonal relationships. It explores interaction as a way by which we come to know ourselves and each other.

“Deliberative Democracy Practicum” (unique opportunity)

2 CREDITS

CM299 Days: Mondays and Wednesdays (The course will follow Stanford’s academic calendar. The first day of class will be Monday, September 26. The fall quarter ends December 16.)

JUNIATA TIME MW 12:45-2:15. STANFORD Times: 9:45am-11:15am (Pacific) [12:45pm-2:15pm Eastern]

Course Description

In this course being offered through our partnership with Stanford University, students will work directly on a real-world deliberative democracy project using the method of Deliberative Polling. Students in this course will work in partnership with the Center for Deliberative Democracy at Stanford (and the above schools/entities), a research center devoted to the research in democracy and public opinion around the world. This unique practicum will allow students to work on an actual Deliberative Polling project. In just one quarter, the students will prepare for, implement, and analyze the results for a Deliberative Polling experiment. This is a unique opportunity that allows students to take part in the entire process of a deliberative democracy project. Through this practicum, students will apply quantitative and qualitative research methods. Students will explore the underlying challenges and complexities of what it means to actually do community-engaged research in the real world. As such, this course will provide students with skills and experience in research design in deliberative democracy, community and stakeholder engagement, and the practical aspects of implementing a deliberative project.

COMMUNICATION PRACTICUM: ACHIEVE LAB

1 CREDIT

CM289.01 FRIDAY 12:30-1:20

This section of CM-289 is a project-based learning class associated with the ACHIEVE (Advancing Community Health through Innovation, Education, Empowerment) program. This program seeks to increase health literacy levels in Huntingdon County and at Juniata through health-related programming and messaging. Students in this class will assist with the maintenance and development of content, materials, and presentations through partnerships with our local community partners. Students should have interest in and experience with writing across media, public speaking, health messaging/marketing strategy, and multi-media content creation. Pre-req: CM 132 or CM 200 (or by instructor permission based on other related classes).

Advising Guide

Recommended first year courses for programs in Information Technology (IT), Computer Science (CS)

	IT	CS	Notes
Fall semester MA 116, IT 110, IT 111, and CS 110 have no pre-requisites	MA 116 required (fall only)	MA 116 required (fall only)	Discrete Structures (4 credits). This course is a prerequisite to CS/IT 240 in the spring and is <u>only offered in the fall</u> semester—it is a “must do now” course for IT and CS.
	CS 110	CS 110	Computer Science I (3 cr.). Note this course may be postponed to the spring if the student has had very little experience programming or scripting and wish to take IT/IM 110 or IT 111 first to become more acclimated to simple programming through scripting. Prior programming is NOT required for CS 110 course, however.
	IT 110 or IT 111		Principles of Information Technology (3 cr.). There are two tracks: <i>Computer Science emphasis (IT 111)</i> , and <i>Business emphasis (IT 110)</i> . They cover similar IT topics but are different in the applications. <u>Either course satisfies the requirement.</u> This course can be postponed to the spring semester if taking CS 110 and/or MA 130 instead.
		MA 130	Calculus (4 cr.) or MA 100 Precalculus (3 cr.) are suggested for the fall in CS if other electives are not chosen.
		DS 110	Data Science (3 cr.) is also an optional course for students wanting to explore this new field of study.
Spring semester	CS 240 or CS 110	CS 240 or CS 110	Computer Science II (4 cr.)
		MA 220 or MA 130	Computer Science I (3 cr.) if not taken in the fall
			Intro to Probability and Statistics (4 cr.) if took Calculus I in the fall Calculus I (4 cr.)

NOTES

Extra Details on Computer Science I (CS 110) and CS II (CS 240)

- CS 110 is an introductory programming course in the **Python** language.
- Prior programming experience is NOT required.
- CS 240 is taught in the **Java** language (no prior knowledge of Java is expected)

AP credit in CS

- AP credit is offered for a grade of “4” or “5”.
- If the student accepts **AP Computer Science A** credits (3 cr), then CS 220 Computer Organization may be scheduled in their first year, fall semester as a starting computer science course using a course exception form. CS 110 may NOT then be taken for additional credit.
- If the student accepts **AP Computer Science Principles** credits (3 cr), then IT 110/111 may NOT be taken for additional credit. Students should continue to take CS 110 in their first year if accepting these AP credits, unless AP Computer Science A is also accepted.
- Normal AP departmental approval and advising is still expected.

Program of Data Science Advising Guide 2022-23

First-Year Courses for POEs in Data Science

Fall 2022 (take 2)	Spring 2023(take 2)
DS 110 Introduction to Data Science or MA 116 Discrete Structures or CS 110 Computer Science I or Introductory statistics course (see list below) or MA 130 Calculus 1	DS 110 Introduction to Data Science or CS 110 Computer Science I or Introductory statistics course (see list below) or MA 130 Calculus 1

Data science is a field about the skills needed to work with big data and is an intersection of computer science, math, and statistics. The field is growing quickly and there are many jobs. It is an excellent accompaniment to many fields that use data: biology, business, psychology, and many others.

Data Science is a program that needs to work with substantial data or if the student wishes to learn the tools, skills and theories in this emerging, high demand area. There is a secondary emphasis as well as a POE.

While it is possible to start with any course, it is recommended that the student take DS 110 in their first year.

Introductory Courses for Data Science

DS 110 Introduction to Data Science

- For students interested in data science regardless of POE. Learn basic skills using R and a general overview of the process of extracting useful knowledge from data.
- Offered fall and spring this year

CS 110 Computer Science I

- Introduction to computer programming in python.
- Offered fall and spring.

Introductory Statistics Course options

- Students may take their elementary statistics course in any department that offers the course.
- Options are: MA-220 Introduction to Probability & Statistics (requires MA 130), MA-205 Elementary Statistics, EB-211 Business Statistics, BI-305 Biostatistics, ESS-230 Environmetrics, ESS-309 Econometrics, PY-361 Research Methods & Stats Psychology II, SW-215 Integrated Research Methods & Stats II
- We award credit for MA 205 Elementary Statistics for a score of 4 or 5 on the AP Statistics exam.

MA 116 Discrete Structures

- This course introduces mathematical structures and concepts such as functions, relations, logic, induction, counting, and graph theory. It emphasizes their applications to computer science and information technology.
- This course should be taken in the first semester by students interested in mathematics, computer science, information technology, or data science.
- Offered only in fall

MA 130 Calculus I

- This course is for students interested in mathematics, the sciences, or pre-engineering.
- This course is for students who have a strong background in algebra, trigonometry and/or precalculus. It is also for students who have taken calculus in high school but are not earning AP credit for calculus.
- Note: If a student has a score below 550 on the Math SAT, it is recommended they take Precalculus first.
- See math advising guide for information about AP credit for calculus.
- Offered fall and spring

EDUCATION DEPARTMENT ADVISING INFORMATION

Summer 2022

PreK- Grade 4 and PreK- to Grade 8 and Special Education students should register for EITHER:

Option 1	Option 2
ED 110 Foundations of Education and	ED 120 Child Development and
ED 111 Foundations of Education practicum * total (4 credits)	ED 121 Child Development Lab * (total 4 credits)
First Year Composition (3 Credits)	First Year Composition (3 Credits)
First Year Foundations (1 Credit)	First Year Foundations (1 Credit)
Math or Literature Course	Math or Literature Course

Secondary Education (7th -12th Grade)

English 7-12	Social Studies 7-12	Science or Math 7-12
ED 130 Adolescent Development OR ED 110 Foundations of Education / ED 111 Foundations of Education practicum*	ED 130 Adolescent Development OR ED 110 Foundations of Education / ED 111 Foundations of Education practicum *	ED 130 Adolescent Development OR ED 110 Foundations of Education / ED 111 Foundations of Education practicum *
First Year Composition (3 Credits)	AN 151 and/or PS 101	Major content beginning course
First Year Foundations (1 Credit)	SO 101 and/or PY 101	Major content beginning course
	First Year Composition (3 Credits)	Major content beginning course
	First Year Foundations (1 Credit)	First Year Composition (3 Credits)
		First Year Foundations (1 Credit)

**Please note: Students who register for any field experiences need to keep TWO, 2-hour blocks of time open for the fieldwork each week (total of 4 hours in the field between the hours of 8 AM and 3 PM).*

1. Students are responsible for their own transportation to field experiences.
2. If you are advising an incoming **transfer student** or a student who has a degree and is seeking certification in any of the certification programs, please direct this individual to Dr. Biddle, Education Department Chair (biddle@juniata.edu) immediately. All transfer students must meet current requirements for acceptance into a certification program – students must have and maintain a minimum 3.0 GPA for any certification program.
3. If you have any questions during your advising session, please call Dr. Kathleen Biddle, Education Department Chair (biddle@juniata.edu) immediately. Advisors from Education are working at each orientation session.
4. Students will be required to show a recent TB test report (within the past few months). This can be done at the Health and Wellness Center the first week of class, BUT we need the confirmation. The TB test will need to be repeated before the pre-student teaching semester (Junior or Senior year).

Welcome to the Juniata College Education Department!

We are delighted to have the opportunity to work with you.

Please feel free to reach out to our department members with any questions:

Department Members	Advises Students in:	E-mail	Phone	Office location
Dr. Kathleen Biddle Chair Education Department	PreK-8 Special Education PreK-4 Early Childhood. Secondary Social Sciences & English	biddle@juniata.edu	(814) 641 -3411	Good Hall G207
Dr. Kathleen Jones Professor of Education	Secondary Math & Science	jones@juniata.edu	(814) 641-3654	Good Hall G307
Dr. Dipali Puri Assistant Professor of Education	PreK-4 Early Childhood PreK-8 Special Education	puri@juniata.edu	(814)641-3640	Good Hall G304
Dr. Katie Hoffman Assistant Professor of Education	PreK-8 Special Education PreK-4	hoffman@juniata.edu		Good Hall G305

FIRST YEAR ADVISING FOR SUMMER ORIENTATION, 2022 ENGLISH DEPARTMENT

English POE students: Enroll in EN120 this fall.

Professional Writing POE students: Enroll in EN272.

EN/Secondary Education POE students: Enroll in EN120, ED110, and ED111.

Students from other POEs: should consider starting a Secondary Emphasis in English or in Professional Writing to make themselves more versatile and more marketable in their fields.

- Students need to complete 18 credits in EN courses (6 credits of which must be taken at the 300 level as an upperclassman) to add a secondary emphasis in English or Professional Writing to a degree.
- Any POE may add English or Professional Writing as a Secondary Emphasis.
- If you have any questions about courses or POEs/secondary emphases housed in the English department, please contact Dr. Amy Mathur, chair of the English department (mathura@juniata.edu).

Fall English classes currently with several open seats held open specifically for first year and transfer students:

EN 120— Forms of Literature (3 credits) (T/Th 9:00-10:15)

This course provides an introduction to the study of how society affects the development of literature. Students will read texts from a wide variety of genres and historical periods to examine how literary forms gained and/or lost popularity over time. Forms discussed often include: poetry, drama, essay, short story, novella, and novel.

EN 272— Intro to Professional Writing (4 Credits) (T/TH 1:00-2:40)

This course covers the types of writing used in the professional and business world, with attention to deciding when to use which type, or whether to use writing at all. Also concentrates on effectively addressing different audiences. The course will also cover the use of graphics, from basic concepts through effective design and adjusting to audience and situation.

**If either of these courses is closed at time of attempted registration, please contact Dr. Amy Mathur, English department chair, to see if a seat can be added (mathura@juniata.edu). Priority for potential extra seats will be given to EN POE and secondary emphasis students.*

ADVISING GUIDELINES FOR PROGRAMS IN ENVIRONMENTAL SCIENCE AND STUDIES DEPARTMENT, 2022-23:

All students in Environmental Science, Environmental Studies, Wildlife Conservation, Aquatics and Fisheries and Environmental Engineering need to take **ESS 100** in the fall.

Environmental Science, Wildlife Conservation, and Aquatics and Fisheries

Fall	Spring
ESS 100	ESS 110
FYF	BI 101 or CH 142 & CH 143
FYC	FYS
BI 101 (if undecided between biology)	

Environmental Engineering:

Fall	Spring
ESS 100	Calc II
ESS 199-02 Intro to Env Engineering	Bio 101
FYF	GL 100 A
FYC	MA 230 (Calc II)
MA 130 (Calc I)	FYS

Environmental Studies:

Fall	Spring
ESS 100	ESS 110
FYF	FYS
FYC	Bio 101
100-level class in PACS, AN, PS, PY or EB	100-level class in PACS, AN, PS, PY or EB

Health Professions Advising Guide
Summer Orientation 2022

Fall courses for health professions students in addition to FYE/General Education courses:

BI 101 – General Biology I (4 credits)

CH 142 – Integrated Chemistry Principles I (3 credits)

CH 143 – Integrated Chemistry Principles Lab I (1 credit)

Important Notes:

1. The Director of Health Professions is Tricia Hunt (huntp@juniata.edu). Any health professions questions or clarifications during summer orientation can be directed to Tricia.
2. Students interested in any Health Professions field (except Public Health, Occupational Therapy, Health Communication, and Healthcare Administration) will be registering for a core set of 8 science credits (see above).
3. PreHealth students should take both Biology and Chemistry in the first semester.
 - Students concerned about the academic transition to college or whom you suspect may be underprepared academically should consult with Tricia Hunt (huntp@juniata.edu) to discuss options.
 - Student Athletes in Fall Sports can shift either BI 101 or CH 142/143 to Spring semester to balance their athletic commitments with academic responsibilities.
 - Stronger students should enroll in an additional course 3 or 4-credit course, for a total of 15-16 credits. For students interested in studying abroad in another language, it is encouraged that they take a language course during their first year. Stronger students are encouraged to begin language study first semester. More unsure students would benefit by delaying language study a semester, presuming the level they need is offered in the spring.
4. **Under no circumstances should a student take Biology and Chemistry courses noted above Pass/No Pass.** Professional schools will not accept courses taken P/NP.
5. If a student has AP credit in Biology or Chemistry they still need to sign up for the courses in the box at the top. Ask them to consult with Tricia Hunt (huntp@juniata.edu) about their specific situation if they have questions.
6. Please make sure that all students with ANY interest in health professions are made known to the Director of Health Professions. They can be added to our health professions listserv and given an advisor on the Health Professions Committee who is familiar with the academic nuances and requirements in their field of interest.

WELCOME TO HISTORY AND ART HISTORY!

The department of History and Art History welcomes any first-year student, no matter what their POE and especially if they are Exploratory. Students will learn a great deal about the past, but they will also learn a wide range of skills that will help them succeed academically, regardless of their eventual POE. These include effective reading and note taking, clear writing, listening and speaking skills, developing arguments, and supporting arguments with evidence.

If you have questions, please don't hesitate to contact Dr. Belle Tuten, Dr. Jen Streb or any member of the History and Art History Department (see the reverse side).

FALL 2022 History courses appropriate for all first-year students

HS 104 Medieval Europe. TTH 1:30-3:10 pm. 4 credits. Fulfills WK-HT.

This course begins in the late Roman period and continues through the Renaissance of the fifteenth century.

HS 200 The Great War. TTH 10:30-12:10. 4 Credits.

There are a few places available in this class on the social, cultural, and political history of the First World War. There is a substantive research paper assignment, so first-year students need to be reasonably comfortable with research and writing.

FALL 2022 Art History courses suitable for first-year students

AH 108 Cross-Cultural Art 1. 4 Credits. MW 1:30-3:10 or TTH 3:30-5:10. Fulfills WK-HT.

This course will examine art from around the world produced between the prehistoric era and the 14th century. We will consider perspectives for understanding cross-cultural encounters, examine the impact of cultural exchange on the development of art, and emphasize the historical and global context of various artistic movements and artists.

AH 329 Impressionism to Abstract Expressionism. 4 credits. MWF 10:30-11:40.

This course investigates artistic developments that shaped the rise of Modernism in Europe and the U.S. from the late 19th-mid 20th century. We will discuss various media and consider the ways in which artists responded to changing cultural conditions.

International Studies (IS) Advising Guide 2022

The courses a first-year student in IS program (IS POE & Secondary Emphasis) should take in the first and second semesters:

IS offers the following courses in both the fall '22 and spring '23 semesters.

Fall 2022:

- **PACS 110: Intro to Peace and Conflict Studies** – Required for first year IS POE students. Currently waitlisted, **please continue to add students to the waitlist.** We will add additional IS POE students with permission from the Registrar's Office.
- **EB 105: International Economic Issues**- Required for first year IS POE students. Currently open. IS POE student must take it in Fall '22.

Spring 2023:

- **PACS 105: Intro to Conflict Resolution**– Required for first year IS POE students. Please continue to add students.
- **EB -381: International Political Economy**- Required for first year IS POE students. However, students must complete EB 105 before signing up for this class.

Other Instructions:

Students are encouraged to add IS affiliated introductory classes in Environmental Science (e.g., **ESS 100: Environmental Systems**), History, Politics, Philosophy, **World Languages**.

Department of Mathematics Advising Guide 2022-23

First-Year Courses for POEs in Mathematics and for POEs in Mathematics and Secondary Education

Fall 2022	Spring 2023
MA 130 Calculus I and MA 116 Discrete Structures	MA 230 Calculus II and one of the following: MA 160 Linear Algebra or MA 220 Introduction to Prob and Stat or CS 110 Computer Science I

Introductory Courses in Mathematics

MA 100 Precalculus

- This course is a study of algebraic, exponential, logarithmic, and trigonometric functions.
- This course is for students who plan to take Calculus, and it is designed to prepare students for Calculus.

MA 116 Discrete Structures

- This course introduces mathematical structures and concepts such as functions, relations, logic, induction, counting, and graph theory. It emphasizes their applications to computer science and information technology.
- This course should be taken in the first semester by students interested in mathematics, computer science, information technology, or data science.

MA 130 Calculus I

- This course is for students interested in mathematics, the sciences, or pre-engineering.
- This course is for students who have a strong background in algebra, trigonometry and/or precalculus. It is also for students who have taken calculus in high school but are not earning AP credit for calculus.
- Note: If a student has a score below 550 on the Math SAT, it is recommended they take Precalculus first.
- See below for information about AP credit for calculus.

MA 138 Mathematics and Democracy (Formal Reasoning Way of Knowing)

- This course introduces mathematics related to democracy which includes voting theory, gerrymandering, and apportionment. It also compares the topics above mathematically versus politically.

MA 155 Heart of Mathematics (Formal Reasoning Way of Knowing)

- This course is designed to give students a hands-on experience of doing mathematics. It emphasizes the process of doing mathematics which includes generating examples, looking for patterns, making conjectures, and proving these conjectures. The course explores

infinity, higher dimensions, chaos, and probability. *NOTE: First Year Composition (FYC) is a prerequisite for this course.*

MA 208 Symbolic Logic (Formal Reasoning Way of Knowing)

- This course is an introduction to the basics of first-order logic: the concept of artificial language, techniques for symbolizing ordinary languages and arguments, and formal inference systems. *NOTE: First Year Composition (FYC) is a prerequisite for this course.*

MA 230 Calculus II

- Entering students may take Calculus II if they have AP credit or other college credit for Calculus I. See below for more information about AP credit for calculus.

MA 205 Elementary Statistics (Scientific Processes Way of Knowing)

- This course is an introduction to traditional statistical concepts including descriptive statistics, binomial and normal probability models, confidence intervals, tests of hypotheses, linear correlation and regression, two-way contingency tables, and one-way analysis of variance. *NOTE: First Year Composition (FYC) is a corequisite for this course.*
- See below for information about AP credit for statistics.

Courses not appropriate for First-Year students

With the exception of MA 208 Symbolic Logic, MA 205 Elementary Statistics, MA 220 Introduction to Probability and Statistics, and MA 230 Calculus II, MA courses at the 200-level and above are not appropriate for first-year students.

Information about AP Credit in calculus and statistics

Calculus AB – We award credit for MA 130 Calculus I for a score of 4 or 5 on the Calculus AB exam. If the student accepts the AP credit, he or she may NOT also take MA 130 Calculus I for additional credit.

For students who earn a score of 5 on the exam, it is recommended that they accept the credit and take MA 230 Calculus II if desired. For students who earn a score of 4 on the exam, they may wish to consult with the Chair of the Math Department before deciding whether or not to accept the credit.

Calculus BC – We award credit for MA 130 Calculus I plus two additional credits of general 200-level mathematics for a score of 4 or 5 on the Calculus BC exam. If the student accepts the AP credit, he or she may NOT also take MA 130 Calculus I for additional credit.

Statistics – We award credit for MA 205 Elementary Statistics for a score of 4 or 5 on the AP Statistics exam. If the student accepts the AP credit, he or she may NOT also take MA 205 Elementary Statistics for additional credit.

Music Department - General

Advising for New-Student Orientation – Summer 2022

Students and faculty are reminded that, though the College offers academic classes in the Music Department and instruction in Applied Music (voice, instruments, ensembles), there is no Program of Emphasis (POE) or secondary emphasis offered in Music. Students may not incorporate Music courses into a POE and "Music" (or any derivative of "Performance") may not be used in any POE title.

Fall 2022

- MS 101 Music Fundamentals

Taught by Dr. Russ Shelley

Designed to teach students the basic tools and elements of music and its notation. Students learn to become literate in the fundamentals of music. Application of those fundamentals is achieved through basic composition and basic piano skills.

- Applied Music Opportunities

Students may register for the following applied classes

MU 113 Guitar Class I – 1 credit

MU 131 Voice Class I – 2 credits

- Guitar I is for beginners. No audition is required. Placement in a higher level requires the permission of the instructor.
- Voice Class I is for beginners. No audition is required.
- Beginning piano students are advised to take Music Fundamentals (MS 101), which provides a good introduction to the study of piano.
- Private lessons are available on most instruments, in voice, in jazz improvisation, and in composition/ songwriting. These lessons carry one or two credits and are available for a fee. Please consult the College catalog for further information on applied studio music.
- Any questions regarding singing, piano, guitar should be directed to Professor Russ Shelley (x3473). Any questions regarding bands, orchestra, and percussion should be directed to Professor James Latten (x3471). Offices are located in Swigart Music Hall.

Choral and Instrumental Ensemble Information on Separate Sheets

Choral Union

Students register for MU 171

Concert Choir

Students register for MU 181

Please share the following with those interested in Concert Choir Auditions

Auditions take place during normal rehearsal time on Thursday, August 25 from 5:30 – 8:00 PM.

New students interested in Concert Choir may register for MU 181. If they pass their audition, they are all set. If they do not pass their audition, they simply drop MU 181 and add MU 171 during drop/add.

We invite new and returning students to audition for the 2022-23 Concert Choir August 25. Soon after you arrive on campus, **please sign up for an audition time outside Room 201 in Swigart Music Hall.** Auditions have five parts:

1) Your **Range**

Using simple patterns we'll move up and down your range to see how high and how low you sing.

2) Your **Tonal Memory**

Using short melodies played on the piano, you'll sing them back to determine your tonal memory skills.

3) Your **Rhythm Reading**

Using basic rhythm notation, you'll clap or tap a few rhythm exercises.

4) Your **Sight-Singing**

Using brief one-line melodies, we'll see how well you sing at sight without the piano. If you haven't learned how to do this, we skip this part.

5) **"My Country 'Tis of Thee"**

The important element here is staying in the same key throughout the song. We'll supply the words and music to this familiar melody in case you forget. If you don't know this song, we'll find another one during your audition. No worries.

The 2022-2023 Concert Choir has several openings in each section. The auditions are designed as low-stress, so come and sing your best! For more information on Concert Choir, please visit the Concert Choir website (*Google Juniata Concert Choir*). Questions? Please email Prof. Shelley shelley@juniata.edu

Tours are planned for Barbados and Hungary

Hi, Summer Orientation Advisors!

Here's the summer 2022 Instrumental Music Information:

Greetings, and thank you! Your past support in encouraging students to enroll in instrumental music is very much appreciated. Thanks for putting in a good word when students set up their first fall course schedule. I would like to remind everyone of the following:

YES, APPLIED MUSIC COUNTS TOWARD THE CREATIVE EXPRESSION REQUIREMENT. stipulation:
a) take three credits of this course on the same instrument; AND b) take the one-credit MU 200 "Music Literacy" course.

We discourage students from "waiting until second semester to pick up their instrument again..." Students who join first semester have traditionally had great success in classes and with grades, even with ensemble membership which only requires around 1.5% of their week...in fact, for most it is a valued artistic and social outlet.

I am available at latten@juniata.edu , at x3471, and 910-465-3295 (text/cell) during all orientation sessions to field phone calls, etc... – some of you have called in past summers with questions, and I'm glad for that. I'm happy to help.

The details:

- First semester orchestral string players (**violins, violas, cellos, basses**) should enroll in **MU 141, Juniata College Orchestra**
- First semester **percussionists** should enroll in **MU 115, Percussion Practicum**
Percussionists who want to play in a concert band should enroll in **MU 115, not concert band** (see below).
- First semester **woodwinds and brasses** should enroll in **MU 133, concert band**
- **Jazz ensemble**: sign up for MU 163, except drums set/percussion: they enroll in MU 115.
- The Pep Band is not through the music department; interested students should directly email Jon Yon, director, yonj@juniata.edu.
- **Private lessons** with one of our studio teachers involve an extra fee. Students should sign up for the appropriate section of **MU 111**
One area is a bit confusing - the woodwind realm:
 - Saxophonists sign up with Phil Loewen, MU 111A section 1.
 - Clarinetists sign up with Janet Berlin, MU 111A section 2.
 - Bassoonists sign up with Jody Butte, MU 111A section 3.
 - Oboists sign up with Barry Kroeker, MU 111A section 4.
 - Flutists sign up with Dr. Cathy Herrera, MU 111H.

Thanks again,
Jim

Peace and Conflict Studies (PACS)
Advising Guide 2022

The courses a first-year student in PACS program (PACS POEs & Secondary Emphasis) should take in the first and second semesters:

PACS offers the following courses in both the fall '22 and spring '23 semesters. A first-year student should enroll in at least one or a maximum of two courses during the fall semester.

Fall 2022:

- **PACS 110: Intro to Peace and Conflict Studies** – Required for first year PACS POEs students. Currently waitlisted, **please continue to add students to the waitlists**. We will add additional PACS POE students with permission from the Registrar's Office.
- **PACS 391: Negotiation and Peacebuilding**: Currently open. We encourage first-year students to take this class in addition to PACS 110. Please continue to add students.

Spring 2023:

- **PACS 105: Intro to Conflict Resolution**– Required for first year PACS POEs (PACS and Communication and Conflict Resolution) students. Please continue to add students.
- **PACS-108: Mediation**- Required for first year PACS POEs students. Please continue to add students.

Other Instructions:

Students are encouraged to add PACS affiliated introductory classes in Communication, Environmental Science, History, Politics, Psychology, and Philosophy.

Juniata College
**Typical First Year Programs for
 Dual Degree (3+2) Engineering Students and all Physics Students**

Questions?: Call Jim Borgardt (x6600; 814-574-9829); Jamie White (x3545) or Matt Beaky (x3550).

Note: Astronomy classes now listed under AS designation (ex: PC160 is now AS 160). Students interested in the Astronomy Secondary Emphasis must take one year of introductory physics, either PC204/PC202 and PC203, or PC200 and PC201. Two additional core courses in astronomy plus six upper-level credits of classes with significant astronomy content complete the secondary emphasis.

Plan I

This is a normal beginning for either **physics or engineering physics** students. If a student is expecting to have a POE in Physics, or if they are expecting to participate in the dual degree (3+2) Engineering partnerships, they should definitely start their physics and calculus in the fall of their freshman year.

Fall Semester		Spring Semester	
University Physics (PC204)	4	Introductory Physics II (PC203)	3
Physics Seminar (PC189)	1	Physics Laboratory II (PC203L)	1
Calculus I (MA130)*	4	Calculus II (MA230)	4
First Year Composition (FYC)	3	First Year Seminar (FYS)	3
First Year Foundations (FYF)	1	Any one of the following:	
		Computer Science I (CS110)	4
Elective/Language**	3/4	Way of Knowing distribution (WK)	3/4
Total credits: 13-17		Total credits: 15-16	
<p>*If a student comes in with Math AP credit, have them speak with the Math Chair to help guide them into an appropriate Math placement. Note that one of the sections of Calc I (MA130-02) meets at the same time as Calc II (MA230-01) to facilitate an easy change during Add/Drop period if needed.</p> <p>** If the student is not particularly strong, consider keeping them at 13 credits for the first term (but do encourage a language if they can handle the load). If the student is interested in Physics/Secondary Education, they could instead take Foundations of Education and the associated field experience. Please alert (by email) both Jamie White and Kathy Jones of all students interested in secondary physics education.</p>			

Plan II

Students with a shaky mathematics background (not prepared for Calculus I) who still want engineering physics will need to think of going four years (not a dual degree (3+2) engineering program) or taking summer courses to catch up. In recent years several students have chosen a four year option. The reason for this is primarily that the mathematics sequence cannot be done easily in less than three years, so that a late start in calculus puts a major crimp in the schedule. (Please alert a member of the Physics Department that there is a student in this category. If possible, send them to speak to a department member during the advising day.)

Int Chem Principles I (CH142/143)	4	Int Chem Principles II (CH144/145)	4
Precalculus (MA100)	3	Calculus I (MA130)	4
Physics Seminar (PC189)	1		
First Year Composition (FYC)	3	First Year Seminar (FYS)	3
First Year Foundations (FYF)	1	First Year Foundations (FYF)	1
Elective/Language**	3/4	Computer Science I (CS110)	4
15-16		16	

Plan III

For students who want **Chemical Engineering**: Follow the sequence for a chemistry POE but also make sure they have Calculus I (MA130) and Physics Seminar (PC189). If they have some advanced standing, you could consider placing them in University Physics (PC204).

Department of Politics
Summer Orientation 2022 Advising Guide

Strongly Recommended Courses:

Students interested in Politics should take one or both of the following courses. They are both required for the Politics program of emphasis (POE) and will only be offered in the Fall semester this year.

PS 101 Introduction to American Government (4 credits)

PS 102 Introduction to International Politics (4 credits)

NOTE: If either of the two courses is full, Freshmen who are interested in a POE or Secondary Emphasis in Politics can nonetheless enroll by contacting the Registrar's Office.

Additional Recommended Courses:

The following courses fulfill Politics POE requirements and would be appropriate for most first-year students:

PS-222 Western Political Thought (4 Credits)

PS-298 Gender and Health Care (3 Credits)

DS-110 Intro to Data Science (3 Credits)

EB-105 International Economic Issues (3 Credits)

EB-210 Quantitative Business Analysis (3 Credits)

EB-211 Business Statistics (3 Credits)

EB-222 Principles of Macroeconomics (3 Credits)

EB-223 Principles of Microeconomics (3 Credits)

AP Scores:

Students who earned a 5 on the AP U.S. Government and Politics exam receive course equivalency for PS 101 and can take any upper-level course for which PS 101 is a prerequisite.

Pre-Law:

Students who are considering a career in the legal profession should consider either or both of the following courses:

PS 110 Exploring the Law (1 credit)

PS-190A Mock Trial (3 credits)

International Politics:

A Foreign Language is recommended for students in the International Politics POE. International Politics Students are required to take at least one World Languages and Cultures course before they graduate.

Psychology Department

New Student Advising for Summer Orientation 2022

Welcome! For those interested in exploring Psychology, PY 101, Introduction to Psychology (3 credits) is our entry course to the POE. This course serves as the primary prerequisite for other psychology courses.

For the 2022-2023 academic year, PY 101 is offered:

Fall 2022:

- TWTh12:30-1:20 PM (not a typo; irregular schedule due to adjunct's availability)
- MWF 2:30-3:20 PM

Spring 2023:

- TWTh12:30-1:20 PM (not a typo; irregular schedule due to adjunct's availability)
- MWF 9:00-9:50 AM

If you completed Introduction to Psychology at another accredited institution (and received a grade of C- or higher) or you received a 4 or 5 on the AP Psychology exam, you may receive equivalency credit for PY 101. If you have received equivalency credit, you may then enroll in other psychology courses. We suggest that you consider 200-level courses for your first year.

Our core methodology sequence for the POE is PY 260 (Methods-Statistics I) and PY 361 (Methods-Statistics II). This should be taken in the sophomore year.

The following links provide more information about the designated POE in Psychology: <https://www.juniata.edu/academics/departments/psychology/areas-of-study/psychology.php>

A secondary emphasis in Psychology requires 18 PY credits, with 6 or more at the 300-400 level.

Religious Studies – Fall 2022

Religious belief and practices impact the world in numerous ways: through historical events, philosophical debates, political transformations, and by shaping worldviews through sacred texts and ritual. The Religious Studies department engages in the interdisciplinary academic exploration of Religious phenomena. We do not assume that our students will have or desire a personal religious commitment, but instead study religions both for their own intrinsic interest and to understand how they shape the lived experience of religious and nonreligious people. Our courses include, among other things, the study of Biblical texts, Hindu rituals, Muslim feminist thought, and of evolutionary psychology.

In Fall 2022, recommended courses are:

RL 115 Viking Religion. This course introduces to the student the religion of the Vikings through literature, archeology, and historical portraits. It explores the uses and misuses of Viking lore in current culture.

MW 3:30–5:10

fulfills Gen Ed requirement: Ways of Knowing – Humanistic Thought

RL 123 World Religions. This class looks at how global religions engage with contemporary challenges and issues. We will discuss scriptures, rituals, and current events primarily based on sources within each tradition.

123 01 MWF 1:30–11:40

123 02 MWF 1:30–2:40

fulfills Gen Ed requirement: Self & World

NOT RECOMMENDED:

RL 440 is an advanced seminar that is *unsuitable for first-year students*.

Social Work Suggestions for Course Selection for First Year Students

Students interested in exploring Social Work as a POE are encouraged to take the following courses:

Fall Semester

Introduction to Sociology (SO 101)

Spring Semester

Introduction to Social Work Practice (SW 230)

Introduction to Psychology (PY 101)

OR Life Cycle (SW 221)

For more information contact Professor Jacoba Rock at rock@juniata.edu

Curriculum Requirements for the B.S.W. (Social Work) Credential

Course and Credit Hours	Year Usually Taken	Semester Usually Offered
Human Behavior in the Social Environment		
SO 101 Intro to Sociology (3)	1 or 2	Fall and Spring
SW 221 The Life Cycle (3)	1 or 2	Spring
SO 203 Minority Experiences (3)	2 or 3	Fall
PY 101 Intro to Psychology (3)	1 or 2	Fall and Spring
BI 190 Human Biology (3)	1 or 2	Fall
Research		
SW 214 Integrated Research Methods & Statistics I (3)	2 or 3	Fall
SW 215 Integrated Research Methods & Statistics II (3)	2 or 3	Spring
Social Welfare Policies & Services		
SW 231 Social Problems and Social Welfare (3)	2	Fall
SW 333 Social Welfare Policies and Services (3)	3 or 4	Fall
Social Work Practice (SWP)		
SW 230 Intro to Social Work Practice (4)	1	Spring
SW 330 SWP: Individuals, Families & Small Groups Lab (2)	3 or 4	Fall
SW 331 SWP: Individuals, Families & Small Groups (4)	3 or 4	Fall
SW 332 SWP: Large Groups, Organizations & Communities (4)	3 or 4	Fall
Social Work Fieldwork		
SW 490 Social Work Professional Semester (12)	4	Spring
SW 495 Social Work Professional Semester Research Seminar (3)	4	Spring

Total Credit Hours = 56

**Students must earn a minimum grade of C- in every course in the Social Work POE.
Students must have a cumulative GPA of 2.5 or higher to enroll in SW 490 and SW 495 in the last semester of their senior year.**

World Languages & Cultures Department - Summer Orientation - 2022

[Rousing music plays]: Our future depends on the languages, and the languages are depending on you, Summer Advisor! This year, more than ever, freshman enrollment is critical to WL&C.

Summer Advisor, if you are asking:

Is it possible to combine a secondary emphasis in a language with any POE?

Is it possible to take Spanish, French, or Chinese at Juniata in 22/23?

Can I support the liberal arts, languages, and the humanities by directing freshman to language classes?

Can students study abroad even while focusing on another area of study?

...the
answer
is



Give Them an Early Start: It is a good idea for students to start or continue their Spanish (110, 120, 210, 230, 265), French (FR 110, 120, 299) or Chinese (110) study in their first semester.

It's Easy to Find the Right Class: The course sequence is 110 = first semester, 120 = second semester, 210 = third semester language. Please send any placement questions to Amy Frazier-Yoder at frazier@juniata.edu

110 - Beginners with little or no prior knowledge. No more than two years of high school language.

120 - Likely has two or three years of high school language. Took the placement test.

210 - Likely has three or more years of language or is a heritage learner. Took the placement test.

230 or 299 - Likely has four or more years of language or is a heritage learner. Took the placement test.

It's Easy to Take the Placement Test: It's found here: <http://bit.ly/2RCZN8u> or use the QR code. Placement results will be included in advisors' online advising materials if students took the test prior to orientation. Otherwise, results are available after finishing the assessment. The placement assessment is just a guide. They should talk to their language instructor during the first week of classes if they have any questions or concerns about their placement.



WL&C is happy to
welcome three
international colleagues!



Josiane Banini
French
Cameroon



Carlos Sánchez
Spanish
Spain



Jou Li
Chinese
Taiwan

We ran out of space, but have more to say...

Eagles Abroad Scholarship: Please ask Eagles Abroad scholarship winners to meet with a WL&C professor in the language of their award during the first week of classes.

K-12 Certification: Students interested in education certification in French or Spanish should meet with an Education advisor no later than the first class day of the fall semester and to speak with a language professor.

Advanced Placement Policy: Students who score 4 or 5 on a WL advanced placement exam are eligible for Juniata credit provided they successfully complete a 200-level WL course in the target language during their freshman year. Students should request that AP scores be sent to Juniata, and following receipt of a letter and form from the Registrar's Office during the first week of classes, they meet with Amy Frazier-Yoder to determine the appropriate credit and secure the chair's signature.

Tiny schedule

SP 110 MTWF @ 9
SP 120 MTWF @ 9
SP 210 MWF @ 9

SP 255 MWF @ 10:30
SP 275 T/Th @ 9

FR 110 MWF @ 9
FR 120 MWF @ 12:30
FR 299 T/Th @ 9

CN 110 MTWTh @ 8