

# **Advising Handbook**

**2022-2023**

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# Welcome

Dear Colleagues,

Advising is one of the hallmarks of an Allegheny education and a tangible demonstration of the close interactions we celebrate as an institution. Allegheny students have an evolving advising team during their time on campus, from the "entrance advisor" who welcomes them to the community and helps them schedule their first-semester courses, to their "FS advisor" who teaches their first-year seminar and advises them until they declare a major, to their "major advisor(s)" who will help them navigate their academic programs, to their "senior project advisor", who works with students to complete their Senior Comprehensive Project. Along the path from Matriculation to Commencement, students will benefit from great relationships with other faculty and staff who will offer advice – their instructors, coaches, and staff from the Student Success, Institutional Advancement, the Class Deans, and an array of other offices.

The role of a student advisee is to listen to the advice they are given, seek advice when needed, and make their own decisions on the basis of that advice. Those decisions belong to the student, but we hope they will take advantage of the knowledge and enthusiasm of faculty and staff.

The role of a faculty or staff advisor is to listen and learn about students, and to offer advice that is informed by knowledge of the student, knowledge of the campus and its resources, knowledge of higher education and the specific disciplines into which the students enter, and knowledge of the trajectory of a liberal arts education from Matriculation to Commencement and beyond.

This handbook is a small effort at helping advisors meet some of those goals. It brings together, in a single document, information on major and minor program requirements as well as other details of the academic program at Allegheny. It also includes a wealth of information on resources and opportunities available to your student advisees. If you have questions that are not covered in this handbook, please ask!

We view this document as a work in progress, one that should evolve and change to best meet the needs of advisors at Allegheny. As such, we welcome your feedback and advice on how to make this a more useful resource.

Ian Binnington  
Dean for Student Success

# Academic Advising

## Advisor's Role

### Expectations for the Students and the Advisor

#### First and Second Year Students are expected to

- recognize that they are responsible for all decisions that they make at Allegheny, that not all things are possible, and that choices carry with them consequences
- know graduation requirements as they apply to their particular educational plan
- meet with their advisor at least twice each semester
- prepare for their meetings as directed by their advisor
- recognize that their advisor is an important resource, and carefully consider advice received
- monitor their progress in individual courses and towards graduation, and seek help from their advisor when they encounter difficulties
- seek help from the Learning Commons and other student services when it is warranted

#### Faculty Advisors to first and second year students are expected to

- encourage students to be responsible for their own education
- understand Allegheny's graduation requirements and curricular and co-curricular offerings well enough to be able to assist students with academic planning
- actively encourage students to meet with them at least twice each semester
- encourage thoughtful planning, self-assessment, reflection, and connection to the community
- monitor the academic progress of advisees, maintain student folders with current information, contact students who appear to be in academic trouble, and maintain the confidentiality of information about the advisees
- alert personnel in the Learning Commons about students who appear to be in academic or personal difficulty
- know when and how to refer students for assistance with academic or personal issues, and assist students with seeking and learning how to seek help

## Academic Awards and Standards Committee

The principal function of this committee is to make certain that students meet the academic requirements established by the faculty.

In advising your first-year students, be advised that all students with a GPA of 1.0 or below at the end of the first semester will be automatically suspended from the College and must successfully appeal in order to return.



If a student earns a GPA below 2.0, he or she will be continued on Academic Probation. In order to avoid being suspended at the end of the next semester, the student must be registered for at least 12 credits, must receive passing grades for ALL courses and must earn a semester GPA of 2.0 or better. If a student fails to do this, or receives an incomplete or a withdrawal in any course, they will be suspended from the college and must successfully appeal in order to return.

The committee meets at the end of each semester to consider the cases of students who decide to appeal academic suspension or dismissal. As part of this process, the academic advisor of a student appealing his/her suspension or dismissal is asked to submit a brief report detailing their experiences with the student. Comments of the advisor are, along with other relevant documents, used by the committee to determine if a suspension or dismissal should be upheld or overturned.

There is a useful "Academic Standing – Flowchart" page maintained by the Registrar that visualizes the various stages of academic standing.

## **Organization of the College**

### **Areas of Study**

The academic programs of the College are classified in areas of study as follows: Interdisciplinary Studies; Language, Literature, and Culture; Mathematics and Natural Sciences; Social and Behavioral Science; Values and Societies; and Visual and Performing Arts.

## **Academic Programs**

### **Interdisciplinary Studies**

- Black Studies Minor
- Chinese Studies Minor
- Community and Justice Studies Major and Minor
- Education Studies Minor
- Energy and Society Minor
- Environmental Science and Sustainability Major
- Global Health Studies Major and Minor
- Integrative Informatics Major
- International Studies Major
- Jewish Studies Minor
- Latin American and Caribbean Studies Minor
- Middle East and North African Studies Minor
- Women's, Gender, and Sexuality Studies Major and Minor

### **Languages, Literature, and Culture**

- Arabic Minor
- English--Emphasis on Creative Writing Major
- English--Emphasis on Literature Major
- English Minor
- Environmental Writing Minor
- French Major and Minor
- German Minor
- Journalism in the Public Interest Minor
- Spanish Major and Minor
- Writing Minor

## **Mathematics and Natural Sciences**

- Astronomy Minor
- Biochemistry Major
- Biology Major and Minor
- Chemistry Major and Minor
- Computer Science Major and Minor
- Geology Minor
- Mathematics Major and Minor
- Neuroscience Major
- Physics Major and Minor

## **Social and Behavioral Science**

- Business Major
- Economics Major and Minor
- Political Science Major and Minor
- Psychology Major and Minor

## **Values and Societies**

- Classical Studies Minor
- Communication and Cultural Studies Major and Minor
- History Major and Minor
- Philosophy Major and Minor
- Religious Studies Minor

## **Visual and Performing Arts**

- Art, Science, and Innovation Major and Minor
- Dance and Movement Studies Minor
- Film and Digital Storytelling Minor
- Music Performance Minor
- Studio Art Major and Minor

- Theatre Major and Minor

## Majors/Minors by Areas of Study

Allegheny College Academic Divisions - Majors/Minors Fall 2022

Interdisciplinary Studies	Languages, Literature, & Cultures	Mathematics & Natural Sciences	Social & Behavioral Sciences	Values & Societies	Visual & Performing Arts
<b>Majors</b>	<b>Majors</b>	<b>Majors</b>	<b>Majors</b>	<b>Majors</b>	<b>Majors</b>
Community & Justice Studies	English- Creative Writing	Biochemistry	Business	Communication and Cultural Studies	Art, Science and Innovation
Environmental Science & Sustainability	English- Literature	Biology	Economics	History	Studio Art
Global Health Studies	French	Chemistry	Political Science	Philosophy	Theatre
Integrative Informatics	Spanish	Computer Science	Psychology		
International Studies		Mathematics			
Women's, Gender, and Sexuality Studies		Neuroscience			
		Physics			
<b>Minors</b>	<b>Minors</b>	<b>Minors</b>	<b>Minors</b>	<b>Minors</b>	<b>Minors</b>
Black Studies	Arabic	Astronomy	Economics	Classical Studies	Art, Science, and Innovation
Community and Justice Studies	English	Biology	Political Science	Communication and Cultural Studies	Dance and Movement Studies
Education Studies	Environmental Writing	Chemistry	Psychology	History	Studio Art
Women's, Gender, and Sexuality Studies	French	Computer Science		Philosophy	Theatre
Energy & Society	German	Geology		Religious Studies	Music Performance
Global Health Studies	Journalism in the Public Interest	Mathematics			Film & Digital Storytelling
Latin American and Caribbean Studies	Spanish	Physics			
Middle East and North African Studies	Writing				
Jewish Studies					
Chinese Studies					

# Major/Minor Combinations 22/23

Major/Minor Chart Fall 2022

Major/Minor	COMU	ESS	GHS	HRM	INVEST	WSSS	ENGL-CH	ENGL-LIT	FINCH	SPAN	BICHEM	BD	CHEM	CMPSC	MATH	NEURO	PHYS	BUS	ECON	POLSC	PSYCH	COMM	HST	PHIL	ARTS	ASL	THTR
BLAST	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CHST	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
COMJ	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EDUC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ENENG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
GHS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LEVEST	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LATOR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MEVA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WSSS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
AMAB	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ENGL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
FINCH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
GERMAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
JOURN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
SPAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TWREN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WRITE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ASTRO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
BD	X	X	X	X	X	X	X	X	X	X	NO																
CHEM	X	X	X	X	X	X	X	X	X	X	NO																
CMPSC	X	X	X	NO	X	X	X	X	X	X																	
GEO	X	X	X	X	X	X	X	X	X	X																	
MATH	X	X	X	X	X	X	X	X	X	X																	
PHYS	X	X	X	X	X	X	X	X	X	X																	
ECON	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NO									
POLSC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
PSYCH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NO										
CLAST	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
COMM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NO	
HST	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PHIL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
RELST	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ARTS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NO	
ASL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NO	
GHS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NO	
PDS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NO	
BUSAP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
THTR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Major ARTS may not Double or Minor ASL																											
Minor ARTS may not Major ASL																											
Major ASL may not Double or Minor ARTS																											
Minor ASL may not Major ARTS																											
Major in BICHEM may not Minor BD or CHEM																											
Minor in BD may not Major BICHEM																											
Major in BUS may not Double or Minor ECON																											
Minor in CHEM may not Major BICHEM																											
Major in CMPSC may not Double INPH																											
Minor in CMPSC may not Major INPH																											
Major in COMM may not Double or Minor THTR or PDS (minor only)																											
Minor in COMM may not Major THTR																											
Major in ECON may not Double or Major BUS																											
Minor in ECON may not Double or Major BUS																											
Major in ENGL may not Double or Minor CMPSC																											
Major in INPH may not Double or Minor CMPSC																											
Major in NEURO may not Minor PSYCH																											
Major in THTR may not Double or Minor COMM or PDS (minor only)																											
Minor in THTR may not Major COMM																											
K-Contributors OK																											
NO Not Permitted by Rules																											

## Chairs/Directors

Click [here](#) to be directed to the current list.

# Governance Structure

Allegheny College is organized into five divisions: Academic Affairs, Finance and Planning, Development, Student Affairs, and Admissions. Each division is headed by a Vice President, Dean, or Director. These officers report to the Provost and Dean of the College or the President.

## FS Sequence

### Philosophy

The FS program represents a first opportunity to achieve the Institutional Learning Outcomes as specified in the Allegheny College catalogue:

*Allegheny's educational program is designed so that its graduates are able to:*

- Think critically and creatively;
- Communicate clearly and persuasively as speakers and writers;
- Invoke multiple ways of understanding to organize and evaluate evidence, and to interpret and make sense of their experiences and the experiences of others;
- Apply their knowledge and learning to engage in informed debate, and to analyze and solve problems.

The elements of Allegheny's curriculum work together to provide students with a cohesive program in which all four Institutional Learning Outcomes may be achieved. In particular, the FS program, the Junior Seminar, and Senior Project progressively develop students' abilities to read and listen critically, formulate their ideas, and become more effective writers and speakers.

Although students will typically have different instructors for their FS courses, the three courses form a continuum that moves from general to discipline-specific communication. In conjunction with the Junior Seminar and Senior Project, the FS courses prepare students to effectively communicate complex ideas and arguments to a variety of audiences in written and spoken form. All FS courses emphasize attention to audience and the importance of understanding conventions of communication within a particular context.

To enhance the development of students' communication skills through the three FS courses and to encourage consistency of expectations across sections of the same course, we present the following list of FS Learning Outcomes.

### Global Expectations of students in the FS Program:

1. To become able readers, listeners, speakers, and writers acting in a variety of genres, occasions, and purposes.
2. To develop an awareness of audience and its effects on the creation and delivery of ideas.
3. To use the ideas of others to advance thinking.

4. To understand reading and listening as acts of inquiry.

### **Learning Outcomes Specific to FS 101**

1. To recognize and express interesting ideas of intellectual value.
2. To develop an engaging voice as a speaker and writer.
3. To organize ideas effectively to communicate in specific contexts.
4. To use language clearly, powerfully, and with appropriate detail.

In particular, the faculty encourages FS instructors to incorporate the following elements into the design of Academic Discourse I:

- regular opportunities to speak in class and compose short writing assignments
- no less than 10 pages of assigned writing, excluding revisions
- at least two formal writing assignments of 3-5 pages that include the possibility of revision
- at least one formal speech assignment (4-5 minutes) that includes preparatory work
- library research as a part of at least one of the writing or speech assignments
- at least two one-on-one meetings with each student.

### **Learning Outcomes Specific to FS 102**

1. To participate in a sustained conversation with other academic writers and speakers.
2. To generate a thesis that addresses a clearly defined problem.
3. To support a thesis with appropriate reading and evidence.
4. To communicate in progressively complex and nuanced ways.

In particular, the faculty encourages FS instructors to incorporate the following elements into the design of Academic Discourse II:

- regular opportunities to speak in class
- no less than 20 pages of assigned writing, excluding revisions
- at least three writing assignments (4-6 pages) that include the possibility of revision
- at least two speech assignments (total of 12-16 minutes) that include outline development and extemporaneous delivery
- research, with close attention to source credibility, as a substantial part of at least one of the writing or speech assignments.

### **Learning Outcomes Specific to FS 201**

1. To produce persuasive written and oral presentations that advance disciplinary ideas and conform to disciplinary conventions.
2. To articulate or demonstrate how the work of practitioners in the discipline draws on and responds to the work of other practitioners.
3. To incorporate the work of others in substantial writing assignments and presentations in discipline-appropriate ways.
4. To design, utilize and/or document academic research appropriate to disciplinary conventions.

In particular, the faculty encourages FS instructors to incorporate the following elements into the design of Sophomore Seminar (FS 201):

- frequent opportunities to speak in class and write each week
- at least two writing assignments that include the possibility of revision and require presentation
- standards that are consistent with disciplinary norms
- at least two speech assignments (5+ minutes) that include outline development and require
- presentation standards that are consistent with disciplinary norms
- disciplinary research or content development as a substantial part of at least one of the writing and at least one of the speech assignments.

## General Curricular Requirements

- **Students must have at least one major and at least one minor** (the "graduation major" and the "graduation minor"). The graduation major and minor must be in different areas of study of the College, unless one or both is interdivisional. A second major outside the area of study of the first major can replace the graduation minor.
  - Students matriculating in Fall 2016 or after may have at most two majors and two minors and may "double-count" courses between them without limit.
  - Students matriculating before Fall 2016 may not "double-count" courses between their graduation major and minor. Second or subsequent majors must have 20 unique semester credit hours. Second or subsequent minors must have 12 unique semester credit hours.
- Students must successfully complete **128 semester credit hours**, including transfer credits. Courses that earn a failing grade do not count towards this total.
  - Classes may be retaken for credit, but unless stipulated specifically in the course description, a course may only "count" once. Unless the course may be repeated for credit, the most recent grade earned is the grade counted, regardless of what it is.
  - If a student has transfer credit for a particular course (i.e., Math 151) and they take the same course at Allegheny, they will lose the earlier credit.
- Students must complete all of the following course requirements for graduation:
  - **FS 101 & FS 102** (do not count towards any major or minor). Students must take FS 101 but do not have to pass it, and FS 101 may not be retaken if failed.
  - **FS 201** (may count towards a particular major or minor or may be taken outside of the major or minor)
  - **Junior seminar** (course numbered 550-589)
  - **Distribution requirement:**
    - (*Students entering Fall 2016 and after*) Four credits in each of the eight categories (CL, HE, IP, ME, PD, QR, SB, SP). Courses may double-count for two requirements. The Distribution Requirements satisfied by a course are listed in the course description in the *Academic Bulletin*. Courses used to satisfy Distribution Requirements *must* be taken for a letter grade.

- (*Students entering before Fall 2016*) Eight credits in each of the three divisions (Humanities, Social Science, and Natural Science), including four credits of Natural Science lab. Courses used to satisfy Divisional Distribution Requirements may be taken CR/NC.
  - **Senior project:** Students must complete a senior project in each major. Students with more than one major may write separate senior projects or a combined senior project.
- **Students must earn a 2.0 cumulative GPA and a 2.0 in each major or minor presented.** Grades of C-, D+, and D "count," but the overall GPA in each case must be at least 2.0. In most cases, all classes presented for a major or minor must be taken for a grade; exceptions are listed in the requirements for each major and minor published in the *Academic Bulletin*.
- **Only 16 credits taken on a CR/NC basis can count towards graduation,** and students may take no more than 4 credits per semester on a CR/NC basis. Courses taken CR/NC due to the COVID-19 in Spring 2020 will not count against this total.
- **64 credits must be taken in academic residence, including the final 16.** Courses taken "in academic residence" are those undertaken through registration at Allegheny College and supervised by Allegheny faculty, regardless of the physical location of the student.
- **Students who elect a 3-2 program are exempt from the senior project and need complete only 98 credits before entering the program.** Some majors exempt 3-2 students from additional requirements; consult the department for details. Departments and programs may have their own regulations and practices (e.g., whether they exempt failed courses from GPA calculations or how many hours of transfer credit they accept and for what).
- **Students are subject to all graduation requirements in place at the time they first matriculated, including all major, minor, distribution, and any other requirements for the degree,** so please consult the appropriate *Academic Bulletin* for further information.
  - With some exceptions, students who matriculated after the Fall 2016 semester have the option of graduating either under the requirements in effect when they first matriculated at Allegheny or those specified in a subsequent *Academic Bulletin*. Students may not select an *Academic Bulletin* previous to the term in which they first matriculated.
  - Students who wish to adopt a new set of graduation requirements will be subject to all major, minor, distribution, and any other requirements of their new Bulletin and must complete a form in the Office of the Registrar at least one semester prior to graduation. These changes may not be made during the Spring semester for an August or September graduate, but may be made during the summer for a January graduate.
  - In no case may a student qualify for graduation by meeting various requirements set forth in two different *Academic Bulletins*. In particular, students may not use self-designed majors or minors to circumvent this rule.
- **Requirements for Transfer Students**



- Transfer students must complete all of the graduation requirements listed above, with the following exceptions:
  - All transfer students are exempted from FS 101
- Transfer students do not need to complete FS 102 if they have received transfer credit for equivalent coursework.
- For transfer students, departments may make exceptions to policies regarding the number of credits or courses in the major or minor that must be taken on a letter-grade basis.

## Useful Resources

### Academic Calendar

[Click](#) to be directed to calendar.

### Course Information

Courses are classified in areas of study as follows:

#### *Interdisciplinary Studies*

Black Studies -/m, Chinese Studies -/m, Community and Justice Studies M/m, Education Studies -/m, Energy and Society -/M, Environmental Science and Sustainability M/-, Global Health Studies M/m, Integrative Informatics M/-, International Studies M/-, Jewish Studies -/m, Latin American and Caribbean Studies -/m, Middle East and North African Studies -/m, and Women's, Gender, and Sexuality Studies M/-

#### *Languages, Literature, and Culture*

Arabic -/m , English--Emphasis in Creative Writing M/-, English--Emphasis in Literature M/-, English -/m, Environmental Writing -/m French M/m, German -/m, Journalism in the Public Interest -/m, Spanish M/m, and Writing -/m

#### *Mathematics and Natural Sciences*

Astronomy -/m, Biochemistry M/-, Biology M/m, Chemistry M/m, Computer Science M/m, Geology -/m, Mathematics M/m, Neuroscience M/-, and Physics M/m

#### *Social and Behavioral Science*

Business M/-, Economics M/m, Political Science M/m, and Psychology M/m

#### *Values and Societies*

Classical Studies -/m, Communication and Cultural Studies M/m, History M/m, Philosophy M/m, and Religious Studies -/m

#### *Visual and Performing Arts*

Art, Science, and Innovation M/m; Dance and Movement Studies -/m; Film and Digital Storytelling -/m; Studio Art M/m; and Theatre M/m

## Registration Schedule

Each student has been randomly assigned a registration letter, which they can find in the WebAdvisor account. This letter determines the order in which the student will register. The order rotates each semester.

## Exam Schedule

The exam time for a course is designated by letter code in the course descriptions posted on Self-Service. Prior to registration for each semester, the scheduled time for each letter code is published on the Academic Calendars Page maintained by the Registrar's Office. Students are required to arrange travel and vacation plans to allow them to take all exams at the scheduled time. Please see the Tests, Papers, and Examinations Policy for approved exceptions to this rule.

## Declaring a Major/Minor

To declare a major and a minor, students must complete the Major/Minor Declaration Form and submit it to the Registrar's Office. Students should know that the faculty advisor for their graduation major will become their primary academic advisor, and they will need the new advisor's approval to register for classes after declaring the major.

Students may change or add majors and minors at any time provided that their program continues to meet the college requirements (see below). To change a major or add an additional major to a student's program once he/she has declared a major, please use the Change of Major Form. To change or add a minor, use the Change of Minor Form.

### *Requirements for the Major and Minor*

Students are required to declare a major and minor no later than the semester after they have earned a total of 48 credit hours. In practice, this means that most students will need to declare a major and minor no later than the middle of the second semester of the sophomore year to be allowed to preregister for classes the following Fall. Students who enter with credits from AP exams, college work in high school, etc. (see Degree Audit) may need to declare a major and minor earlier in their academic careers. Students must initially declare at least one major (the "graduation major") and either a minor ("the graduation minor") or a second major. The graduation minor or second major must be in a different area of study (see Course Information) from the graduation major. If a student completes a second major instead of a graduation minor, the two majors must be in two different areas of study of the College. If a student completes additional minors beyond the College requirement, each must include a minimum of 8 credits completed in residence at Allegheny College.

## **Changing Your Graduation Requirements**

Students follow the graduation requirements outlined in the *Academic Bulletin* published in the year they first came to Allegheny College. So, for example, if you entered the College in 2017, you are subject to the graduation requirements outlined in the 2017-2018 *Academic Bulletin*. For most students, this will work out fine, but some students may wish to declare a major or minor that was not available in the year they came to the College. If you wish to change the *Academic Bulletin* that you are following, please see the "Change in Graduation Requirements" page on the Registrar's website.

## **Degree Audit**

The Degree Audit is a useful tool to help faculty advisors and students determine what requirements a student needs to fulfill to complete his/her degree. Please note that the program does have some limitations – for example, it calculates the total credits in a student's major but does not explicitly compare them to the minimum required.

To access the Degree Audit, first log on to Self-Service. Select "My Progress" under "Student Planning".

When the Degree Audit comes up, scroll down to see each set of degree requirements (First-Year/Sophomore Requirements, Major, etc.)

When a student declares or changes a major or minor, his/her Degree Audit will be updated with the appropriate major and minor requirements for the program.

## **Transferring Credits From High School/AP and CLEP Exams/Other Collegiate Institutions**

Transfer credit is limited; students must complete a minimum of 64 credits through Allegheny to be eligible to graduate. First-years may transfer in a maximum of 42 credits of coursework completed prior to matriculation. This includes credit by examination (AP etc.; see next paragraph), college-level courses offered at high schools through accredited colleges and universities, and qualifying coursework taken at an accredited college or university. If a first-year student wishes to transfer in more than 42 credits (up the 64 credit maximum for all students), they must contact the Office of the Registrar.

### *Credit by Examination*

Students may receive a maximum of 20 credits at Allegheny by participating in the Advanced Placement (AP) Program of the Educational Testing Service, the College-Level Examination Program (CLEP), and International Baccalaureate (IB) programs prior to matriculating at Allegheny. Students who receive scores of 4 or 5 on an AP examination will receive academic credit. Placement is determined by the appropriate academic department. AP credit is awarded only after we receive the official examination scores from the Educational Testing Service.

Individuals who perform well on certain CLEP tests may receive both credit and placement, usually at the first-year or sophomore levels. Students who score five or better on the higher examinations of the IB testing programs may be granted credit and placement by some departments.

### *Credit by Transfer from Other Collegiate Institutions*

Allegheny accepts transfer credit from other collegiate institutions **provided** the work satisfies the following criteria:

- The course is taken at a regionally or nationally accredited institution
- The course is taught at a college (non-remedial) level
- The course is of a liberal arts (not vocational or technical) nature
- The course is taken on a letter-grade basis.
- The student earns a grade of "C" or better. Please note that grades of "C"-minus do not transfer.
- Allegheny receives an official transcript from the other institution verifying that the course has been successfully completed.
- Accepting the transfer credit does not violate the College "academic residency" requirements that: a) no more than 64 credits towards the minimum number required for graduation may be transfer credits; and b) the last 16 credits towards graduation must be taken "in residence" (i.e., students must register for their final 16 credits through Allegheny).
- If taken prior to summer, 2014: the course must have been taught in a classroom setting, not on-line.

Students planning to take coursework elsewhere are strongly urged to have the courses pre-approved to ensure they meet the criteria for transfer. *Please be aware that students may not take courses at Allegheny and at another institution during the same term* (see the Concurrent Enrollment Policy).

Please note that *Allegheny transfers in the number of credits awarded by the other institution*. Thus, a course worth three semester credit hours taken elsewhere will transfer in as three credits, even if a seemingly similar course at Allegheny is a four-credit course. Students using transfer credit to satisfy distribution requirements should pay close attention to this provision. For example, the Natural Science distribution requirement specifies eight credits of science, not two courses. For institutions that do not use semester credit hours (e.g., colleges on the quarter system), the institutional credits are converted to the equivalent number of semester credit hours.

Once the course has been completed, the student must arrange with the institution where the course was taken to have an official transcript sent to: Office of the Registrar, Box 41, Allegheny College, 520 N Main St, Meadville, PA 16335. Transfer credit will not be processed until the Allegheny Registrar receives an official transcript showing that the course has been successfully completed with a grade of C or better.

## **Adding/Dropping/Waitlisting Classes**

Please see here for the overall structure of registration.

**Add/Drop:**

The Change Period Students may add and drop 14-week courses through the first two weeks of the semester. Students may add or drop seven-week courses through the first two weeks of the module in which the course is offered. Students should be aware that, after a class starts, instructors will become increasingly reluctant to admit additional students. Courses dropped will not appear on the official transcript but will appear, as appropriate, on the academic record.

**Waitlisting**

As part of the registration process, student routinely email instructors to ask to be placed on a waitlist or to ask instructors to "save them a place" in a course. This happens for several reasons. First, the course may be closed and they'd like a spot if one opens up. Second, the student has been placed on registration hold because of outstanding bills with the College. In this case, the student is trying to make sure she/he won't be shut out of desired courses while the matter is being cleared up.

Different instructors and different departments have their own guidelines for handling these requests, but it never hurts to advise students to try this path for situations indicated above.

# Referring Students to Other Resources

## Maytum Center for Student Success

### Contact Information

Location: Pelletier Library

Phone: (814) 332-2898

Email: [studentsuccess@allegheny.edu](mailto:studentsuccess@allegheny.edu)

### Professional Staff Services

The professional staff are available Monday through Friday, 8:00 a.m. to 5:00 p.m. for assistance with **study skills, time management, and academic advising**. Students often meet with the Student Success staff to complete a four-year academic plan, develop a daily study schedule, get help understanding the nuances of syllabi, and discuss effective study strategies. The professional staff are available to go to FS classes to present on any of the before mentioned topics.

### Tutoring

The Student Success coordinates tutoring support in a variety of disciplines via individual, drop-in, and course specific formats. Peer tutors are recommended and trained by faculty and Student Success. Tutors are either paid through the work study/campus employment or receive academic credit. There is NO additional charge for tutoring. Students interested in tutoring should connect with their course instructor and Student Success.

### Writing and Speaking Consultants

Drop-in consultation hours are from 3-5 pm and 7-11 pm Sunday through Thursday. Students may schedule appointments through the Google Calendar online scheduling service or go to the Maytum Center for Student Success and ask to meet with a consultant on a first-come, first-served basis. Writing consultants also offer synchronous on-line consultations through the Google Suite. Drop-in consultations last for 30 minutes and begin and end on the hour and half hour. Consultants are available to do brief (5-10 minute) class presentations in which they offer an overview of consultations and the processes for drop-ins and matches.

#### *Writing Consultants*

Writing Consultants assist and support writers of all skill levels at any stage of a writer's process. Consultants are not professional editors or proofreaders; by acting as skilled audience members and rhetorical listeners, they help writers see their strengths and give them strategies to improve their

challenges. Consultants actively engage with writers by asking questions, giving feedback, and demonstrating techniques that writers can apply to future writing tasks. Another option is to request a matched writing consultant. A writing match is a semester-long commitment, and works best for students serious about meeting regularly with a consultant to work intensively on their writing, whether they have a writing assignment due or not.

Faculty may contact the Director of Writing, Alexis Hart, to schedule in-class consultations in which two or more writing consultants conduct group and/or individual consultations with students during a regularly scheduled class meeting. Consultants are available to conduct workshops in class or outside of class on focused topics such as invention/brainstorming, thesis statements, organization, documentation, etc. Please contact the Director of Writing to request a workshop.

FS101 faculty may request to be partnered with a "connected consultant," a designated writing consultant who is connected to the FS101 section and commits one hour a week to individual and/or group consulting appointments reserved for the students in their connected FS101 section. The FS101 students are also welcome to make appointments with their connected consultant during the consultant's drop-in hours in the Maytum Center for Student Success. Connecting a designated consultant to an FS101 class can facilitate first-year students' access to peer educators. In addition, by introducing and collaborating with the consultant (e.g., sharing writing assignments ahead of time, having the consultant facilitate writing workshops -- either during class, if available, or during their designated consulting hours) faculty can also benefit. Interested faculty should contact the Director of Writing.

### *Grammar Tutors*

Grammar tutors are available in the Maytum Center for Student Success to assist with specific concerns regarding surface-level grammar and mechanics, but they are also not proofreaders.

### *Speaking Consultants*

Speaking Consultants are trained to assist students across the curriculum with crafting and improving an array of oral messages such as speeches, class presentations, and leading class discussions. Consultants are not trained to teach public speaking; rather, they act as an audience with knowledge of effective oral message design and performance, asking students to consider the efficacy of the communicative strategies in light of their audience, the occasion for the presentation, and its purpose. Consultants do not just address the performative dimensions (delivery) of oral messages, they can support and assist students at any point of the inventional process including: selecting a topic, generating supporting ideas, organizing ideas and questions. Faculty may contact the Director of Speaking, Jon Wiebel, to schedule a mock consultation in which two speaking consultants demonstrate the consultation process. Mock consultations, lasting (15-20 minutes), model the process students will engage in during a speaking consultation.

# Class Deans

## Contact Information

Location: Pelletier Library  
Phone: (814) 332-2898  
Email: [studentsuccess@allegheny.edu](mailto:studentsuccess@allegheny.edu)

## Who We Are

Niki Fjeldal, First Year Class Dean  
Amy Stearns, Second Year Class Dean/Director of Transfer Advising  
Jonathon May, Third/Fourth Year Class Dean

[nfjeldal@allegheny.edu](mailto:nfjeldal@allegheny.edu)  
[astearns@allegheny.edu](mailto:astearns@allegheny.edu)  
[jmay@allegheny.edu](mailto:jmay@allegheny.edu)

## What We Do

- Connect students to resources and opportunities to help fulfill their educational goals.
- Provide a Dean who is dedicated to the oversight and guidance of each class year.
- Establish one-on-one relationships between the students, their class dean, and other resources on campus.
- Help students develop educational goals and complete their graduation requirements.
- Collaborate with faculty to support student success in the classroom.
- Facilitate access to academic and non-academic support services.
- Support student transitions as they navigate their undergraduate years.
- Helps students successfully complete their academic career and personal goals.
- Work with the Residential Education Office to provide holistic support in and out of the residence hall.

## Ways We Support Students

We collaborate with faculty advisors and staff members from many other offices across the College to help make sure all of our students have the support they need to realize their goals.

We enjoy meeting and getting to know students throughout the year. We meet with students to discuss academic advising, personal issues, and College policies. We can provide information about College resources and make referrals as needed. And if you are experiencing any academic difficulties, we encourage you to meet with your dean.

You are invited to schedule individual appointments with your class deans to consult about various academic, personal, and social issues. These include:

- selecting courses



- identifying and structuring a major
- planning for off-campus study
- arranging for leave term opportunities
- resolving personal and family encumbrances or hardships
- maximizing the Allegheny experience (academic and co-curricular)

## How Class Deans can be a Resource for Faculty

Class Deans are experts in addressing the needs of the whole student, allowing you to focus on your expertise of teaching, advising, and mentoring our students. As much as class deans are a resource for students, they are also a resource for faculty in a variety of areas:

- Address a student concern you aren't comfortable addressing
- Help you navigate a situation you are having trouble with
- Help with those non-academic processes such as financial holds (outstanding balance), Satisfactory Academic Progress (continued eligibility for financial aid), etc.
- Outreach to family

## Dean for Student Success

### Contact Information

Ian Binnington - Dean for Student Success  
 ibinning@allegheny.edu or honorcommittee@allegheny.edu

## The Honor Code Process

Please see information on the Honor Code here  
<https://sites.allegheny.edu/studentsuccess/academic-honor-program/>.

Please use the "Report an Incident" Link on the above page to report an Honor Code Violation.

There is also a guide for faculty here:  
<https://sites.allegheny.edu/studentsuccess/academic-honor-program/academic-honor-program-information-for-faculty/>

The Allegheny Student Government and Faculty adopted an honor system in 1960 that, since 1964, has applied to all students admitted to the College. The Honor Code is printed in the Academic Bulletin and is administered by a student Honor Committee, advised by a faculty member and the Dean for Student Success. If a faculty member suspects that a student has violated the Honor Code, the following procedure generally should be followed:

1. The instructor should arrange a meeting with the suspected student and describe the instructor's reasons for a possible Honor Code violation. After discussing the case with the student, the instructor may choose to withdraw the complaint or forward it to the Honor Committee. **All work/exams should be signed by the student: "This work is mine unless otherwise cited".**
  - If faculty have questions before they submit a case, they are welcome to contact the Honor Committee or the Dean for Student Success.
2. If the student **admits** to violating the Honor Code either to the instructor or to the Honor Committee, an expedited review process may be followed. If the instructor, the student, and a representative from the Center for Student Success agree to an expedited process, and if the student has not previously been found responsible of violating the Honor Code and does not have more than one Non-Academic disciplinary Warning, then a meeting between those parties will be arranged to discuss and resolve the Honor Code violation. Non-Academic disciplinary history at Suspension, Probation, or multiple Warnings will automatically result in a hearing. If only one prior Non- Academic Warning exists, the student has the choice of a formal hearing or the expedited review process.
3. The instructor will assign academic coursework sanctions, and the representative of the Center for Student Success, in consultation with a representative of the Honor Committee, will assign a college sanction. The Faculty member, Honor Committee, and representative from the Center for Student Success would have access to student history to help support their decision.
4. If the student **does not admit** to violating the Honor Code, or if the student has previously been found responsible of violating the Honor Code or has significant conduct history (see #2), or if the instructor, the student, or the representative from the Center for Student Success does not want the expedited process to be used, then the case will be forwarded to the Chairperson of the Honor Committee. If the Honor Committee determines that it is more likely than not that a violation of the Honor Code has occurred, then the case will be forwarded to the Campus Life and Community Standards Committee. If not, the case may be dismissed by the Honor Committee.
5. If the Honor Committee forwards the case to the Campus Life and Community Standards Committee, the instructor will be asked to participate in the Campus Life and Community Standards Board hearing. If the accused student is found responsible for violating the Honor Code, the Campus Life and Community Standards Board will recommend an academic course work sanction to the instructor and will assign college sanctions.
6. If the case is not resolved prior to the end of the semester in which the alleged infraction occurred, the instructor should post an incomplete grade in the course. If the alleged infraction is discovered after final grades have been posted, the instructor should contact the Dean for Student Success. The instructor should submit a final grade or a grade change once the case is resolved.
7. Faculty members are strongly encouraged to notify students at the start of each course of expectations regarding footnoting, citations, use of translations, group study and expectations of group projects, and whether cell phone/electronic devices are permitted during exams. **All work/exams should be signed by the student: "This work is mine unless otherwise cited".**

## Student Leaves and Withdrawals

*Short-term leaves from campus*

Students leaving campus due to the death of a family member or friend or for other reasons should contact their Class Dean. The Class Dean will then notify professors and other need-to-know offices. Please note that in accordance with Allegheny College's Class Attendance Policy, "students are permitted to be absent from class only with the approval of the instructor." Therefore, the student should also contact the faculty member directly for a formal excuse and to make up any missed work. Students may be required to show proof of illness, death of a family member or friend, etc.

Several offices (the Chaplain, Counseling Center) may be of assistance if there is a death in the family.

### *Leaves of absence*

Students may apply to their Class Dean for a Leave of Absence when personal circumstances make a temporary absence advisable and a commitment to return to the College is evident. The length of the leave is determined by the student's needs, but normally will not exceed one calendar year. Students may take leaves from the College without grade penalty up until the last day of classes. Depending on the circumstances, a leave may be arranged during or between semesters. However, students on a leave may return only at the beginning of an academic semester. Students taking a Leave of Absence are expected to leave campus within 48 hours. Students considering a Leave of Absence must consult their advisor and others, as appropriate, about the effect it will have on progress toward a degree, financial aid, and billing.

Tuition and board refunds for leave of absence are governed by the provisions set forth by the Student Accounts Office and are published in the College Catalogue.

### *Withdrawal from the College*

Students desiring to withdraw from Allegheny must complete the withdrawal form. In order to receive a deposit refund, students must withdraw according to the following deadlines: July 1 for fall semester and by one week prior to the first official day of classes for the spring semester.

Students may withdraw from the College without grade penalty up until the last day of classes. Students who withdraw from the College are expected to leave the campus within 48 hours. They lose all privileges of enrollment until the time they are readmitted.

## **Student Accessibility and Support Services**

### **Contact Information:**

Senior Assistant Dean of Student Accessibility and Support Services, John Mangine 814-332-2898, [jmangine@allegheny.edu](mailto:jmangine@allegheny.edu)

Student Accessibility and Support Services (SASS) is charged with reviewing relevant documentation in order to verify a disability that qualifies for academic accommodations.

We are very aware that the issue of providing academic accommodations for students with "nonapparent" disabilities (i.e. learning disability, attention deficit disorder, traumatic brain injury, psychiatric, and

chronic health problems) is not universally understood. Our office does all that it can to keep up with relevant research and legal decisions to guide us in accepting/rejecting documentation as well as recommending reasonable and appropriate accommodations.

## **Referring Students to Student Accessibility and Support Services**

Concerned faculty members regularly contact SASS with questions about a student that they feel may have a disability. While SASS obviously desires that all students with disabilities receive the necessary accommodations, it is the responsibility of the student to initiate contact with SASS.

All students admitted to Allegheny are sent a disability "self-disclosure" form. If this form is returned, the student will be made aware of services that Allegheny offers pertaining to the disability that the student lists on the self-disclosure form. Students may also disclose a disability to SASS at any time during their time at Allegheny.

Unlike high school, where teachers actively refer students to special education services, we must remember that college students are adults, and privacy is a major consideration. As a result, if you have a student that you feel qualifies for services from SASS, your referral to the SASS office needs to be informational and supportive as opposed to directive or authoritarian.

We recommend questions such as "Did you know that Allegheny has a Student Accessibility and Support Services Office?" or comments such as "That is a concern that the folks in the SASS Office would be happy to discuss with you. Do you know where that office is located?" Since the student's privacy is a concern, we recommend that this type of discussion take place in your office or discretely before or after class. Some students have a disability (particularly a learning disability or a psychiatric disorder) of which they are not aware. Others are aware, but choose not to disclose.

Informing a student of the SASS office is not a violation of privacy, as the individual will make the decision as to whether to follow up. Of course, if a student has asked for a disability related accommodation, the referral is appropriate and necessary.

## **Counseling & Personal Development Center**

### **Contact Information**

**Location:** Schultz Hall

**Phone:** (814) 332-4368

**Email:** [cpdc@allegheny.edu](mailto:cpdc@allegheny.edu)

**Times:** Monday –Friday

**Crisis Response:** Crisis resources are available 24 hours a day, 7 days a week, 365 days a year, and can be accessed by calling the 24/7 Line at 814-332-2105.

## Who we are:

- Megan McCoy, Office Coordinator/Case Manager
- Charity Grace, MA, LPC, CCTP, Counselor/Outreach Coordinator
- Andrew Toles, MA, LPC, Counselor
- Danielle Pecar, EdD, LPC, Director
- Heidi Purvis, MA, NCC, Counselor

The Counseling and Personal Development Center (CPDC) operates from a Brief Therapy lens. Brief Therapy focuses on the strengths of the client, and empowers the client to use those strengths to discover and implement tools. Brief Therapy generally consists of 1-3 sessions to identify the concern, discover tools to confront the concern, and implement those tools. Brief Therapy has been found to be effective in treating mild to moderate concerns.

The CPDC implements Brief Therapy in 3 ways: Drop Ins, Short Term Therapy, and Programming.

**Drop Ins:** Drop In appointments are designed for students who are not already connected to the CPDC. Drop In appointments are 25 minutes in length, and are designed for brief, one session, intervention. At the conclusion of the session, your therapist may encourage you to try Short Term Therapy or community based-therapy as needed.

**Short Term Therapy:** Students can request short term therapy by contacting the CPDC at [cpdc@allegheny.edu](mailto:cpdc@allegheny.edu) or by calling 814-332-4368.

- *Triage Appointment:* Students requesting Short Term Therapy will initially be scheduled for a triage appointment. This appointment gathers background information and is designed to refer to the most appropriate level of care.
- *Short Term Therapy:* Typically 3 individual sessions a semester, (up to 5 sessions a semester, based on therapist recommendation).
- *Group Therapy:* The CPDC offers a variety of groups throughout the semester. Group therapy generally meets weekly for the length of the semester. Students with presenting concerns that fit into the topic of the group are most likely to be referred. Referral to group therapy is good for one semester. Students who are referred to group therapy are not eligible for individual sessions during their time in group therapy.

**Crisis Support:** The CPDC provides around the clock crisis support via our 24/7 Line (814-332-2105). We ask that students contact this line before directly contacting the CPDC when seeking immediate support.

## Resources for Staff, Faculty, and Administrators

**Consultation-**Staff, faculty, and administrators can contact the CPDC to consult regarding concerns related to a student.

**Outreach Programming**—Staff, faculty, and administrators can contact the CPDC regarding outreach programming. Programming can include a general overview of services offered by the CPDC to programming specific to factors that can potentially impact academic performance. For example, test anxiety, managing stress, relationship/community building, boundary setting, etc.

**Referral Process**—Staff, faculty, and administrators can refer a student for services. This involves encouraging the student to access services that best support his/her/their needs or addresses concerns; calling the CPDC with the student present and allowing the student to speak with the office coordinator regarding services.

## **When to refer a student:**

Refer a student when you are faced with one or more of the following factors:

- The student shares an intent to harm self or others.
- The student is emotionally overwhelmed and unable to express or articulate the concern.
- The problem is not going away, is getting more serious, or you are feeling less comfortable handling the situation on your own.
- The student is unresponsive to, or resists your efforts to intervene. The student is unwilling or unable to change.
- The student requests information you are unable to provide.
- You notice changes in the student's behavior and/or affect that are concerning.
- You are unable to be objective because of previous dealings with, or knowledge about, the student.

Whenever possible inform the student of the reasons for the referral. It is not unusual for students to resist the idea of seeking support. If the student chooses not to seek help, he/she/they cannot be forced. It is best to continue to show concern and encourage the student to seek support from appropriate sources. If you are not sure what to do, call the CPDC for a consultation (814) 332-4368.

**If a student is willing to come to the CPDC to seek support, you can help in the referral process by:**

- Letting the student call from your office to schedule an initial assessment or providing the student with the 24/7 Line.
- Suggesting the student check out the CPDC website for online screenings and other self-help information.
- Giving the student the phone number, email address, and location of the CPDC and encouraging them to schedule an appointment at their convenience.
- Walking the student over to the CPDC.

If a student is willing to seek support, but prefers to do so off-campus, please contact the CPDC and we can provide you with a list of community referrals to share with the student; or, have the student contact the CPDC and request a list of community resources.

# Dean of Students

## Contact Information

Location: Campus Center, 3rd Floor  
Phone: (814) 332-4356

Tevis Bryant - Vice President of Student Life and Dean of Students, [tbryant@allegheny.edu](mailto:tbryant@allegheny.edu)

## Residence Life

### Contact Information:

Location: Campus Center, 3 rd Floor  
Phone: 814-332-3865  
Email: [reslife@allegheny.edu](mailto:reslife@allegheny.edu)

### Roommate/Housing Issues:

If a student is having a roommate conflict, they can talk with the Resident Advisor, who can make suggestions and help mediate the conflict. Other resources are your Head Advisor and/or a professional staff member in the Office of Residence Life. If mediation does not help the situation, room switches are allowed, provided that space is available. Room changes should occur after the Office of Residence Life grants permission and will be allowed only during approved room change periods.

## Career Education

Phone: (814) 332-2381  
Website: <https://sites.allegheny.edu/career/contact-us/>

### Career Education Staff

Brian Collingwood, Executive Director	<a href="mailto:bcollingwood@allegheny.edu">bcollingwood@allegheny.edu</a>
Jim Fitch, Director	<a href="mailto:jfitch@allegheny.edu">jfitch@allegheny.edu</a>
Autumn Parker, Career Advisor	<a href="mailto:aparker@allegheny.edu">aparker@allegheny.edu</a>

Career Education is committed to facilitating student success by connecting students and alumni with resources that support career and life planning. Career Educators network with various partners, both on and off campus, to develop internships, and job shadowing opportunities, educational programs, and employment leads to help students attain their personal and professional goals.

## **Center for Political Participation (CPP)**

Phone: (814) 332-6202 or (814) 332-6201

### **CPP Staff**

Brian Harward, Director      bharward@allegheny.edu or cpp@allegheny.edu

**The Center for Political Participation (CPP)** partners Allegheny College students and faculty and local, state, national, and international communities to undertake interdisciplinary approaches to both learning about and addressing political, economic, and social challenges. Through a diverse offering of collaborative research, community-based learning, conferences, undergraduate research, public lectures, seminars, workshops, and student fellows programs, the CPP is the region's preeminent resource for liberal arts programming for the public good.

## **Network for Community Engaged Learning**

Location: Pelletier

Mike Williams, Director      mwilliams@allegheny.edu

The Network for Community Engaged Learning connects businesses, government agencies, non-profits, and other entities to Allegheny students, faculty, and staff in order to jointly tackle pressing community issues while providing meaningful learning opportunities for Allegheny students.

## **International Student Services and Global Education**

Location: Pelletier

Phone: (814) 332-4891

### **International Student Services (ISS)**

Lenée McCandless, Assistant Director      lmccandless@allegheny.edu

International Student Services (ISS) supports the international student and scholar population by advising on immigration, academic, personal and cultural matters. Through individualized cross-cultural advising and peer mentoring programs, ISS helps to develop and enhance students' intercultural knowledge and the skills necessary to navigate a complex and interconnected world.



## **Global Education**

Brita Doyle, Assistant Dean for Global Education

bdoyle@allegheny.edu

Global Education supports study away by providing opportunities to study, work, and volunteer domestically and in countries around the world. Through individualized cross-cultural advising and guided reflection, students are able to develop and enhance their intercultural knowledge and skills necessary to navigate a complex and interconnected world.

## **Community Engagement**

Andy Walker

awalker@allegheny.edu

**Community Engagement** provides structures, programs and resources to support student and faculty engagement in Meadville and beyond. These offerings are designed with diverse and multiple entry points within and outside the curriculum. The goal is to foster a pervasive Allegheny culture of civic mindedness. Deep learning occurs by coupling significant experiences beyond the campus with structured educational preparation and reflection. Programs are designed to both meet students "where they are at" and challenge their assumptions, worldview and comfort zones.

## **Nationally Competitive Fellowships**

Location: Pelletier

Phone: (814) 332-6270

Patrick Jackson, Director

pjackson@allegheny.edu

The Nationally Competitive Fellowship Office helps students identify and apply for distinguished off-campus funding opportunities. After completing an application, students know tremendously more about both themselves and their path. Nearly everyone who has ever held one of these fellowships identifies the experience as a vital and undeniable turning point.

## **Pre-Professional Advising**

Location: Pelletier

Phone: (814) 332-2845

## **Pre-Health Professions Staff**

Kirsten Peterson, Senior Assistant Dean, Student Success

kpeterso@allegheny.edu

## **Pre-Legal Professions Staff**

Patrick Jackson, Director

pjackson@allegheny.edu

## **Pre-Education Studies Staff**

Susan Slote, Director of Education Studies

sslote@allegheny.edu

Pre-Professional Advising supports pre-health, pre-law and pre-education students by providing them with the tools and experiences to help them succeed. In addition to individual advising, students have access to workshops, shadowing opportunities, field experience, assistance with preparing applications and test preparation.

## **Undergraduate Research, Scholarship & Creative Activities (URSCA)**

Matthew Venesky, Director

mvenesky@allegheny.edu

Undergraduate Research, Scholarship, and Creative Activities office promotes student research, organizes on-campus presentations of student projects, and provides information and support to students who present their projects off-campus. The office also works to support student travel to conferences to present and/or participate in the presentation of scholarly research.

## **IDEAS Center - Inclusion, Diversity, Equity, Access, & Social Justice Center**

### **Contact Information**

Location: Campus Center, 308

Phone: 814-332-2718

Mikka Hunt, Program Coordinator

mhunt@allegheny.edu

IDEAS Center is the social/emotional brave space providing support and validation of the experiences of under-resourced student populations. The center also provides a gathering place for dialogue and support surrounding the concerns of inclusion, diversity, equity, access and social justice.

### **Mission**

The IDEAS Center strives to engage students in meaningful opportunities and conversation recognizing the importance of the impact of personal culture and how culture can influence our community. As a student-driven advocacy center, we provide educational opportunities to students through collaboration with campus partners and student organizations on issues of inclusion, diversity, equity, access and social justice and support the ideals of unity and community within the campus and the greater Meadville community. We support, provide mentorship, and encourage students to expand their cultural experiences through engagement with the center. Our center is a welcoming and inclusive space for our campus community.

## **Spiritual and Religious Life**

### **Contact Information**

Location: Campus Center, 3rd Floor

Phone: (814) 332-2800

Email: [srl@allegheny.edu](mailto:srl@allegheny.edu)

### **Services**

The Office of Spiritual and Religious Life (SRL) provides a number of resources to support students of any religion, secular, or spiritual identity, and works with other campus groups and offices to explore larger questions of meaning and life goals. While we hope to return to more normal operations in the 2022-23 academic year, some programs, services, and spaces may be limited due to COVID-19 restrictions. Please visit our website or contact our office with questions that you or your advisees have about specific programs or services.

#### **Resources for Religious Students**

Religious clubs and services are offered on campus for many religions (see list below), and the SRL office can help connect students with religious communities in the area. The Prayer and Meditation (PAM) Retreat (red house next to Arter) offers dedicated rooms for Muslim prayer, Hindu prayer, and meditation. Students who want access should contact the SRL Office for the access code. Quiet hours in Ford Chapel provide space for any student to pray, meditate, or reflect.

In addition to supporting specific religious groups, SRL hosts programs and events for students to interact with those of other religions and to learn about religious differences. Similarly, religious groups may hold private rituals for their members, and a second, more public celebration that is open to anyone on campus as a way to both share their traditions and help educate the campus community. Examples of such public rituals are Hillel's campus-wide Passover Seder and ICA celebrations of Eid. The annual SRL Week offers coordinated programming to the campus community around a specific theme.

#### **Intersectionality**

Many students go through religious transitions while they are in college, which may include questions about sexuality, race and ethnicity, and other identities as they relate to religious beliefs. As part of the Office of Diversity, Equity and Inclusion, SRL offers space safe for them to raise any questions about such intersections. If students feel more comfortable talking with their academic advisors, SRL can be a resource for that conversation.

### **Religious Holidays**

A calendar of religious holidays is posted on the SRL website, with guidelines for faculty, athletics, and programming units on how to facilitate and support students' religious observance. Please note that the Islamic month of Ramadan now falls during the academic calendar (it moves forward about 11 days each year). During this time, Muslims fast from food and drink from sunup to sundown, so fasting students may need accommodations in order to perform their best on assignments, especially in classes that meet late in the day. Please contact the SRL Office if you have advisees who need assistance or have questions about what support is available..

### **All Students**

Students who are not active in a religious tradition still seek places to connect and to talk about questions of meaning, purpose, and vocation. The SRL office is available for non-religious students, or those who consider themselves "spiritual but not religious," and it offers programs about the spiritual aspect of nature, music, and other experiences. SRL welcomes nonreligious students who need someone to talk to and will refer students to the Counseling Center if it seems appropriate.

### **Mindfulness**

As a part of campus wellness programs, SRL helps to provide opportunities for meditation, yoga, and other practices that can help students improve focus and balance in their busy schedules.

### **Vocation**

The SRL office works with Career Education to help students explore the idea of being called to a specific type of work. SRL offers resources for students considering religious vocation, as well as more general resources on calling, all of which are accessible through the College Library system. Allegheny is an institutional member of NetVUE (Network for Vocation in Undergraduate Education), so faculty and staff have access to online materials, workshops, conferences, and grants to help identify and nurture students' sense of call, including resources to assist faculty advisors.

### **On Campus Religious Services**

Visit the SRL website for any changes to this schedule

- Sun, 6:30 pm Roman Catholic Mass, Ford Chapel
- Fri, 1:00 pm, Jum'ah prayers for Muslim community, Prayer and Meditation (PAM) Retreat
- Fri, 5 pm Shabbat Service and/or Dinner, Jewish Community Center or Hillel House

## Religious Clubs

Visit the SRL website for meeting times and places.

- Allegheny Christian Outreach (ACO)
- Fellowship of Christian Athletes (FCA)
- Hillel (Jewish)
- Islamic Cultural Association (ICA)
- Newman Catholic Campus Ministry

*While not defined as a religious club, South Asian Student Society (SASS) celebrates the Hindu holidays and provides support for Hindu students.*

**For assistance or additional information feel free to contact us:**

- Tevis Bryant, Vice President of Student Life/Dean of Students (tbryant@allegheny.edu)
- Adrienne Krone, Director of Jewish Life (akrone@allegheny.edu)
- Sami Alkyam, Director of Muslim Life (salkyam@allegheny.edu)

## Financial Aid

### Contact Information

Location: 454 House  
Phone: (814) 332-2701

### Federal Work Study

The Federal Work-Study student employment program is a program provided to students who are not selected as Resident Advisors through the Office of Residence Life. It is funded partially by the federal government partially by the institution and is based on demonstrated financial need. Participating students usually work an average of 12 hours per week when school is in session to earn the maximum allotment as reflected on the financial aid award letter. Students eligible for Federal Work-Study may work in on-campus positions, or at one of the cooperative non-profit agencies within the Meadville area. Federal Work-Study is not deducted from the college bill. Students receive a monthly paycheck for hours worked. Employees are paid at least the minimum Federal hourly wage. Students and supervisors are responsible for completing all required forms before the student is permitted to begin working.

### Campus Employment

Campus Employment is a program provided to students who do not qualify for Federal Work-Study and who are not selected as Resident Advisors through the Office of Residence Life. Students with Campus Employment may be hired to work in many of the regular student worker positions on campus. However,

for the off-campus work-study positions preference is given to Federal Work-Study students. Participating students usually work an average of 10 hours per week when school is in session to earn the maximum \$2,000 (International students may earn up to \$2,500). Employees are paid at least the minimum federal hourly wage. Campus Employment is not deducted from the college bill. Students receive a monthly paycheck for hours worked. Students and supervisors are responsible for completing all required forms before the student is permitted to begin working.

TO APPLY FOR A JOB:

- Visit the Student Employment website to obtain a job application and view a list of student job openings.
- Complete a job application and submit it to the supervisor of the job.
- Follow up with the supervisor about any additional applications required and to arrange an interview.

## How Work-Study and Institutional Employment Affect Hours and Jobs

For academic reasons, it is recommended that the student work no more than 10-12 hours per week for all combined jobs, but they **cannot** exceed 20 hours per week during the academic year. The amount of hours worked per week depends on the work award for the year. To find the maximum number of hours a student can work, divide the total work award by 26 (for weeks of employment), and then divide by the hourly rate of pay.

Under federal regulations, the College must monitor earnings for each student. **It is the responsibility of the supervisor and the student to budget allotted time and money accordingly so a student does not exceed maximum earnings.** WebAdvisor will track hours worked by a student. A student **must stop working** when he or she reaches the maximum allotted earnings (for all jobs combined).

## Satisfactory Academic Progress Policy

Federal regulations require that all federal financial aid recipients maintain minimum satisfactory academic progress (SAP) to receive financial assistance. A financial aid academic progress policy is required in addition to the institution's general academic policies.

To receive federal financial aid, students must *successfully* complete at least a minimum number of credits every semester of full-time enrollment (see chart below.) Only non-repeated coursework will count toward course completion; however, in cases of repeated courses only the most recent grade will be used to determine the cumulative grade point average.

At Allegheny College, a full-time student is expected to complete all degree requirements within a maximum of 10 semesters (five years). Students may not receive federal or institutional aid after

registering for 192 credits, or institutional aid after 10 semesters of financial assistance, regardless of the number of credits completed.

Students are also required to meet a qualitative measure of academic performance in order to receive federal financial aid. After two semesters of full-time enrollment, a student must achieve a cumulative grade point average of at least 1.00, a 1.50 cumulative grade point average after three semesters of enrollment and after four semesters of enrollment, a student must achieve a cumulative grade point average of at least 2.00 in order to receive federal financial aid.

Satisfactory academic progress is measured annually after the conclusion of spring semester by the Financial Aid Office. The chart below lists the qualitative and quantitative measures used by Allegheny College to measure satisfactory academic progress and the student's eligibility to continue to receive federal financial aid.

End of Semester	Min. Cum. GPA	Min. Credits Completed
2	1.00	24
3	1.50	36
4	2.00	48
5	2.00	61
6	2.00	74
7	2.00	87
8	2.00	100
9	2.00	114
10	2.00	128

Students who fail to successfully complete the minimum requirements will lose eligibility for federal financial aid.

### APPEALS to SAP POLICY PERMITTED

Students who do not meet an institution's financial aid SAP requirements are allowed to petition for reconsideration of federal aid eligibility. Written appeals for an additional semester of aid eligibility (a probationary semester) must include:

1. **Why the student failed to make SAP,**
2. **What has changed that will allow the student to make SAP during the probationary semester, and**
3. **The student's academic plan for success.**

Appeals must be submitted in writing to the Financial Aid Office at least two weeks prior to the start of the semester for which the probationary semester is sought.

If the appeal is approved, one probationary semester of financial assistance will be granted to bring the academic record up to the minimum standards (state aid may still be eliminated during this period). If a student is not able to achieve the required standards within one semester, s/he will be placed on an academic plan with requirements for progression toward good standing within the SAP standards. The academic plan may have requirements for credit completion, semester grade point average, or both. Failure to meet the stated minimums after the probationary semester will result in a suspension of all financial aid until SAP requirements are met.

## **Options When a Student Does Not Have Enough Tuition Money**

Complete the Free Application for Federal Student Aid (FAFSA) and any requested paperwork in a timely fashion. It is best if the Financial Aid Office is made aware of situations early in the semester rather than late in the semester so that assistance can be given because:

- Certain types of financial aid, especially free money, have very limited funds and are awarded based on need first, and then a first-come, first-served basis.
- Student loans have regulations about the certification and disbursement of funds. It often takes a couple of weeks to process the loan before the college receives the funds to clear a bill balance.

It is important for students to pursue all sources of gift aid. Many scholarships are available for current college students ([click here](#)).

If there is a situation that is not reflected on the FAFSA, please notify the Financial Aid Office. Commonly seen situations include, but are not limited to, recent job losses, unusually high out-of-pocket medical expenses, and one-time payments received during the calendar year used on the current FAFSA.



Federal regulations apply in these situations, which means forms and documents are required, but the Financial Aid Office can help.

All students are eligible for student employment. If a student does not qualify for the federal work study program, then he or she is eligible for campus employment. Students may set up a payment plan with the Financial Services Office to use some or all of the earnings from student employment to pay toward the student bill.

Lastly, although least desirable, student loans can help pay off the student bill. The Financial Aid Office recommends getting through school with the least amount of debt and to use federal student loans before private loans since the federal loans have a fixed interest rate, have a lower interest rate, and do not require a cosigner.

## **Financial Services**

### **Contact Information**

Location: Schultz Hall  
Phone: (800) 376-7075

## **When a Student Can't Register Because of a Financial Hold**

Students whose accounts are delinquent will not be permitted to register for courses for the following semester, receive transcripts of their records, or receive their diplomas upon graduation. Students who carry a past due balance at the time of taking a leave of absence must pay the balance in full before they will be approved to return. Registration access will be granted 6 business days after the account is made current if paying by paper or electronic check.

A student who requests a copy of their transcript must pay in full all indebtedness to Allegheny before an official transcript of record will be issued. Any costs incurred in the collection of a delinquent account, including collection agency fees, attorney fees, and other charges, will be added to the amount due. Transcripts and Diplomas will be released 6 business days after receipt of a payment made by check or credit card.

At the beginning of each semester, the student bill includes applicable pending financial aid. The aid is displayed at the bottom of the statement. Finalized aid is posted to the account early in the semester. After financial aid is posted, any aid that has not been completed is not applied to the account and the outstanding balance is due. This balance can be paid or aid can be completed and applied to the account.

## Meal Plans

The College offers many food service plans. All students living in College residences are required to participate in a meal plan. Meal plans available to students may vary based on College residence or academic year of student.

## Athletics

### Contact Information

Location: Wise Center

Phone: (814) 332 -3351

## NCAA Eligibility Requirements for Athletic Competition and Practice

The NCAA has very specific rules for student-athletes regarding eligibility for competition and practice.

### **Full-time enrollment – Good academic standing – Satisfactory progress**

*Full time enrollment* – To be eligible for practice or competition, a student-athlete shall be enrolled in not less than 12-semester hours.

- If a student-athlete drops below the 12 semester hours at any time during the semester, the student-athlete becomes immediately ineligible for athletic practice and competition. Wait-listed courses do not count towards this or any other enrollment requirement.
- Final semester – To be eligible for practice or competition in the student-athlete's final semester, the student-athlete shall be enrolled in the courses necessary to complete the degree requirement and receive a diploma at the next degree-granting date. (12 semester hours not required)
- Eligibility between semesters (M/W Basketball, M/W Track, M/W Swimming) – To be eligible for competition or practice that takes place between semesters, the student-athlete shall be registered at the conclusion of the fall semester for at least 12 semester hours for the upcoming spring semester . If at any time during the semester break the student-athlete drops below 12 semester credit hours, they immediately become ineligible for athletic practice and competition.

*Good academic standing* and satisfactory progress

- Student-athletes placed on Academic Warning or Academic Probation are still eligible to practice and compete in athletics.
- Student-athletes placed on Poor Academic Standing cannot participate in varsity athletics (practice or competition) until their cumulative GPA rises to a 2.0.

*Change in eligibility status* – If a student-athlete's academic eligibility changes at the end of a semester, the student-athlete shall become eligible or ineligible to compete on the date his or her eligibility officially is certified by the Registrar's Office.

Academic status is monitored on an ongoing basis by the Registrar's Office and the Athletic Department compliance officer.

## **Presidents' Athletic Conference (PAC) Contest Scheduling Guidelines & Policies**

Presidents' Athletic Conference--From the PAC Website: Historical Look Back at the PAC

The Presidents' Athletic Conference (PAC), built on the basic belief that an athletic program is an integral part of college life but not an entity in itself, looks back on over sixty years of growth and ahead to years of continued academic and athletic excellence. The league's name clearly reflects its founding principle that operational control of all aspects of intercollegiate athletics is ultimately the responsibility of the presidents of each member institution, and thus active presidential leadership and oversight is paramount in conference administration.

### *Final Exams*

Every possible effort will be made to avoid scheduling Conference contests or championship events against final exams. There are some instances where it is virtually impossible to accommodate the range of final examination periods at all PAC members and schedule numerous Conference championships (as in the spring with the short season and eight championship events). Ultimately, student-athletes must make the choice to compete or not during these periods and do so every year in many sports.

### *Allegheny College Athletic Scheduling Guidelines*

Each head coach is responsible for maintaining the competitive schedule for their program. The Conference schedule is always given priority. NCAA regulations for minimum and maximum competitions are strictly followed. The head coach puts together the non-conference schedule limiting travel on school days to an absolute minimum and to no more than 200 miles distance. There should not be more than **three** days on any given class rotation (MWF or TTH) per semester when students will miss class and no more than **six** days missed or early departure in total. The schedules must be approved by the Athletic Director and Faculty Athletic Representatives before they are considered final.

## **Role Of The Faculty Athletic Representative (FAR)**

The Faculty Athletic Representatives:

- Promote community between athletics and academics through education and communication
- Educate the campus community about NCAA Division III and the PAC philosophy

- Promote communication between students, faculty and coaches so that the student athlete experience can have the maximum academic and athletic impact.
- Act as a liaison for students, faculty, coaches, and athletic directors with regard to conflicts between academics and athletics
- Promote student responsibility to inform faculty of missed class time well in advance of the date
- Facilitate and promote creative methods to make up missed class time (taping evening seminars, proctoring exams, morning labs, streaming lectures).

## **Student Leadership and Engagement (Clubs, Organizations, and Leadership Development)**

### **Contact Information**

Location: Campus Center 310

Phone: 814-332-2754

Email: [sli@allegheny.edu](mailto:sli@allegheny.edu)

# Program Guidelines and Requirements

## Art (First Year and Transfer)

**Area of Study:** Visual and Performing Arts

**Major/Minor Exclusions:**

A student majoring in Art, Science, and Innovation may not double major or minor in Studio Art.

A student minoring in Art, Science, and Innovation may not major in Studio Art.

A student majoring in Studio Art may not double major or minor in Art, Science, and Innovation.

A student minoring in Studio Art may not major in Art, Science, and Innovation.

**Art Department Major Pathways**

The Art Department offers a Studio Art major and minor and major and minor in Art, Science, and Innovation (ASI).

**Suggested Pathway for Studio Art Majors:**

4-Year Plan	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	Either Semester
<b>First Year</b>	FS 101 ART 115	FS 102	ART 151 100-level course in 2D-medium 100-level course in 3D-medium
<b>Sophomore</b>		ART 250	200-level course in preferred medium 100-level course in 3D or 2D
<b>Junior</b>		ART 580 (Junior Seminar)	300-level course in preferred medium Complete requirements: 100 level course in 2D or 3D In art history: ART 115, ART 343, or ART 250
<b>Senior</b>	ART 480 or		ART 620 (Senior Project)

	Internship		300-level course in medium
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**Comments:**

1. It is now possible to take Introductory, Intermediate, and Advanced courses in ceramics, electronic art and intermedia, painting, photography, and sculpture. However, not all courses are offered every semester, so students should begin their media sequences as soon as possible if they want to be able to schedule a third, advanced course in the sequence by the time they are juniors or seniors.
2. Please note that seniors are typically not permitted to enroll in introductory level studio courses.
3. ART 580 Junior Seminar is offered both Fall and Spring semesters. It is recommended that majors plan to take ART 580 in the spring of their junior year. However, it is possible to do the Junior Seminar / Senior Project sequence in the Fall and Spring of the senior year.
4. **Arts Administration Pathway.** Students interested in careers in museums, galleries or public history could choose a Studio Art MINOR of ART 115, ART 171, ART 187, ART 250, ART 271, leading to the capstone of ART 584.

Suggested Schedule for **Art, Science, and Innovation** majors:

<b>4-Year Plan</b>	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>	<b>Either Semester</b>
<b>First Year</b>	FS 101 Science 2	FS 201 Science 2	ART 187 Begin science sequence Take elective from Core B (Theoretical Approaches)
<b>Sophomore</b>	Science 3	ART 250 Science 4	ART 287 or 387 Begin Art Practices module Continue science sequence
<b>Junior</b>		ART 580 (Junior Seminar)	ART 287 or 387 Complete Art Practices module
<b>Senior</b>			ART 620 (Senior Project)

## Comments:

1. There is a significant science component to this major (4 courses) that should be started early in the student's program, because science classes are often hierarchical and strictly sequenced. The science module is intended to be highly customizable by the student. See the example Pathways below, but students should consult with a major advisor as soon as possible to consider meaningful choices.
2. ART 580 Junior Seminar is now offered both Fall and Spring semesters. It is recommended that students plan to take ART 580 in the spring of their junior year, but it is possible to do the Junior Seminar / Senior Project sequence in the Fall and Spring of the senior year.

## Sample Pathways in ASI

In selecting Science Electives, students might consider the examples of the following pathways through a focus area. Students should consult with their advisors to create a group of courses most relevant to their interests.

Optics -Different from the OpArt movement, an optics pathway would guide the understanding of the physics behind perception.

- MATH 140 - Calculus I with Precalculus, Part I
- PHYS 102 - Fundamentals of Physics II (prereq: MATH 140)
- PHYS 350 - Physical Optics
- PSYCH 150 - Sensation & Perception

Generative Art - Generative art is produced by developing an autonomous system that independently determines its own features.

- CMPSC 101 - Data Abstraction
- CMPSC 301 - Data Analytics
- CMPSC 310 - Artificial Intelligence (prereq: CMPSC 101)
- CMPSC 311 - Robotic Agents (prereq: CMPSC 101)

Mathematical Art - Art is often based in geometry and mathematical principles. In 3 courses, students establish the foundation of mathematical concepts

- MATH 151 - Calculus I
- MATH 152 - Calculus II (prereq: MATH 151)
- MATH 205 - Foundations of Mathematics (prereq: MATH 152)
- Option: MATH 320 Linear Algebra (prereq: MATH 205), which can provide an approach toward the basics of computer animation, or MATH 350 Geometry (prereq: MATH 205).

Bio Art - Bioart is concerned with the ethics of established and emerging biological science principles and how they are culturally understood and used.

- CHEM 120 - Chemical Concepts I

- BIO 220 - Organismal Physiology and Ecology
- BIO 221 - Genetics, Development and Evolution
- FS BIO 201 - Investigative Approaches in Biology

Integrated Sustainability - Evolving out of environmental art, Integrated Sustainability is an example of a solutions-based art practice geared towards finding practical applications for environmental challenges that engage with the imagination of the public.

- ENVSC 110 - Introduction to Environmental Science
- ENVSC 250 - Environmental Education
- ENVSC 352 - Environmental Justice
- ENVSC 380 - Climate Energy Policy (preq: ENVSC 110)

Visualization/Augmented Reality/Virtual Reality - Artists working with AR/VR and visualization are established leaders in the computer science field working on developing new potential uses and aesthetics for the technology, from public engagement of data, to wellness applications for VR and AR.

- CMPSC 100 - Computational Expression
- CMPSC 101 - Data Abstraction
- CMPSC 301 - Data Analytics (prereq: FS 102 or permission) OR PSYCH 150 - Sensation & Perception
- CMPSC 310 - Artificial Intelligence (prereq: CMPSC 101)

Computer Art - Artists working within computer art work as web developers, graphic designers, UX/UI (User Experience/ User Interface) designers, and technologists.

- CMPSC 100 - Computational Expression
- CMPSC 101 - Data Abstraction
- CMPSC 102 - Discrete Structures
- CMPSC 302 - Web Development (prereq: FS 102 or permission)

## Information for Transfer Students

### Studio Art: Transfer Guidelines

Suggested pathway of a **Studio Art** major for a transfer student planning to finish in 3 years. Ideally, the student will have completed at least two introductory courses in art including a 2D, 3D, and/or modern art history course.

3-Year Plan	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	Either Semester
Sophomore		ART 250	200-level course in preferred medium



			100-level required course in 3D or 2D (if not already taken)
<b>Junior</b>		ART 580, Jr Seminar	300-level course in preferred medium Complete art history requirement (ART 115, 343, or 250)
<b>Senior</b>	ART 480 or Internship		ART 620, Senior Project Advanced course in medium

**Issues to consider:**

1. A 3-credit transfer course with a similar description and course content will be accepted to fulfill a 4-credit requirement in the Art Department. However, the transfer student must still overall meet the minimum number of credit hours required, which might necessitate taking or transferring elective courses in Art.
2. If a student wants to use a general design course to fulfill a departmental requirement, the Art Department will ask to see a syllabus and portfolio of work created to determine whether it works better as a 2-D or 3-D class. We will also take into consideration the student's plan for advanced work and needed requirements.
3. Art Appreciation or similar courses will transfer as elective credits in Art but cannot be used to fulfill any requirement of a major or minor in the Art Department.

<b>In order to fulfill the</b>	<b>... the course must cover</b>
<b>I. Art History and Visual Criticism</b>	
ART 115, Art History and the Birth of the Museum	This course has an emphasis on the modern history of the art museum that makes it appropriate for careers in museum studies or public history. The second half of a traditional art history survey (Renaissance/Baroque through modern) would be an acceptable transfer equivalent.  Students receiving a 4 or 5 in AP Art History get credit for this course.

ART 250, Contemporary Strategies in Art	Aspects of art made in the later 20 <sup>th</sup> and 21 <sup>st</sup> centuries, in either survey or seminar format.
ART 343, Feminist Art Histories	Modern art through the specific lens of feminist theory.
<b>II. Introduction to 2-Dimensional Studio Art</b>	
	An introductory course in any of the 2-D mediums offered (drawing, painting, or photography). May also transfer a course in introductory 2-D Design, color theory, or other 2-D mediums as appropriate, such as printmaking or digital graphic media.
<b>III. Introduction to 3-Dimensional Studio Art</b>	
	An introductory course in any of the 3-D mediums offered (ceramics or sculpture). May also transfer a course in introductory 3-D Design, or another 3-D medium as appropriate, such as 3-D digital printing or woodworking.
<b>IV. Advanced Work in Studio Art</b>	
	A transfer student may enroll in the 200-level Intermediate class in a medium for which they are transferring coursework at an introductory level.
	A student may consider enrollment in a 300-level Advanced class if they are transferring a two-course sequence in that medium. In photography, experience in the darkroom is required in order to enroll in ART 371.

	<p>Upon request, a student might fulfill this requirement with a transfer course in a medium not offered at Allegheny College, for example, Life Drawing.</p> <p>Approval requires examination of the syllabus and portfolio of work done for the class.</p>
<b>V. Experiential Learning</b>	
ART 480, Professional Practices	A portfolio course that includes creation of a personal website, grant writing, and consideration of career options.
<b>VI. and VII. Advanced coursework</b>	
	The Art Department requires that ART 580, the Junior Seminar and ART 620, the Senior Project be taken at Allegheny College.

### Art, Science, and Innovation: Transfer Guidelines

Suggested pathway for **Art, Science, and Innovation** majors who transfer and expect to complete in 3 years. Ideally, these students will already have completed two of their required four science courses and have taken a course in studio art.

<b>3-Year Plan</b>	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>	<b>Either Semester</b>
<b>Sophomore</b>	ART 187 Science 3	ART 250 Science 4	Take 2nd course in Art Practices module.  Continue science sequence
<b>Junior</b>		ART 580, Jr Seminar	ART 287 or 387  Take elective from Core B (Theoretical Approaches)
<b>Senior</b>			ART 287 or 387

**Issues to Consider:**

1. ASI is an interdisciplinary program. Although it is situated primarily in the Art Department, many requirements are fulfilled by courses in other departments. Students must meet the expectations of each separate department when transferring those disciplinary courses to count in an ASI major or minor.
2. A 3-credit transfer course with a similar description and course content will be accepted to fulfill a 4-credit requirement in the Art Department. However, the transfer student must still overall meet the minimum number of credit hours required, which might necessitate taking or transferring elective courses in Art.
3. Art Appreciation or similar courses will transfer as elective credits in Art but cannot be used to fulfill any requirement of a major or minor in the Art Department, including ASI.
4. Pathways through the ASI program are highly individualized according to the student's future plans. Please consult with an ASI advisor to determine which options are best.
5. Students are most likely to transfer the courses below:

<b>In order to fulfill the</b>	<b>...the course must cover</b>
<b>A. Introductory</b>	
ART 187, Electronic and Intermedia Art	Introduction to 2-D design concepts using digital technology (Adobe Creative Suite or similar), with time-based/  video manipulation desirable.
ART 250, Contemporary Strategies in Art	Aspects of art made in the later 20 <sup>th</sup> and 21 <sup>st</sup> centuries, in either survey or seminar format.
<b>B. Theoretical Approaches</b>	
	Please examine the criteria for equivalent courses in communication theory, philosophy, environmental justice, women's studies, sexuality, and gender studies.

<b>C. Art Practices</b>	
Art	<p>Any introductory course in an art medium might be transferred (Drawing, Ceramics, Painting, Photography, or Sculpture).</p> <p>A student may enroll in the 200-level Intermediate classes in a medium for which they are transferring coursework at an introductory level.</p> <p>Upon request, a student might fulfill this requirement with a transfer course in a medium not offered at Allegheny College, for example, lithography.</p> <p>Approval requires examination of the syllabus and portfolio of work made for the class.</p>
ART 480, Professional Practices	A portfolio course that includes creation of a personal website, grant writing, and consideration of career options.
Media Production	See transfer requirements in Film and Digital Storytelling, Theatre production, or Multimedia journalism.
<b>D. Science Electives</b>	
	<p>See transfer requirements in Biology, Chemistry, Computer Science, Environmental Science and Sustainability, Geology, Mathematics, Neuroscience, Psychology, or Physics.</p>

## Biochemistry

**Area of Study:** Mathematics and Natural Sciences

**Major/Minor Exclusions:**

A student majoring in Biochemistry may not minor in Biology or Chemistry

**General Principles to consider in advising a student for Biochemistry:**

The Biochemistry major is a highly hierarchical major and requires 64 credits (17 courses) to complete. This means that students interested in a Biochemistry major will need to begin the foundational Mathematics and Natural Sciences courses early in their career. The General Chemistry, Introductory

Biology and Introductory Mathematics sequences are all pre-requisites to intermediate and advanced courses in the major and, as such, should be completed by the end of fall semester in a student's sophomore year.

Students who come in with weaker academic backgrounds should be cognizant of the need to complete prerequisites in a timely manner so that they do not end up with schedules in their junior and senior year that are unrealistic or impossible to schedule due to time constraints and conflicting course times.

In general, a student who does not feel ready to take more than one Natural Science course a semester is not likely to be able to handle three or four such courses in their Junior and Senior years. A 17 course major equates to an average of just over two courses each of eight semesters. **Thus, advising a student to take only one NS course a semester during the first and second year makes it difficult for them to complete the Biochemistry major in four years.** Some students may need to consider taking summer courses for transfer, or planning for an extra semester or year to complete the major. This is especially true if a student takes only one NS course each of their first 2-3 semesters or if they start the courses for the major later than the sophomore year. Students should be made aware of this reality if they are advised to limit their NS courses to one per semester in the first three to four semesters.

If a student expresses an interest in a Junior Year abroad experience, it is very important that they speak with a member of the Biochemistry program faculty for guidance during their first year or early in their sophomore year. Depending on the experience they wish to pursue, it may be important for them to consider taking their Jr. Seminar in the sophomore year. In addition, any courses they hope to transfer from the Jr. Year abroad experience to count towards the Major will need to be carefully selected with the guidance of a Biochemistry faculty member.

Finally, any student considering a Biochemistry major is strongly encouraged to meet with a member of the Biochemistry faculty prior to scheduling classes for their Sophomore or Junior year.

### Typical four-year road map

For students starting in Math 140

Year	Fall	Spring
1	MATH 140 BIO 220 or 221 FS 101 Elective	MATH 141 BIO 221 or 220 FS 102 Elective

2	CHEM 120 PHYS 110 MATH 152 Elective	FSBIO or FSCHE 201 CHEM 122 Elective Elective
3	CHEM 584 or BIO 580 CHEM 231 Elective Elective	CHEM 253 BIO 305 Chem Elective Elective
4	CHEM 242 BCHEM 600 Elective Elective	BIO Elective BCHEM 610 Elective Elective

For students starting in MATH 151

<b>Year</b>	<b>Fall</b>	<b>Spring</b>
1	MATH 151 CHEM 120 BIO 220 or 221 FS 101	MATH 152 CHEM 122 BIO 220 or 221 FS 102
2	CHEM 231 PHYS 110	CHEM 253 FSBIO or FSCHE 201

	Elective Elective	Elective Elective
3	CHEM 584 or BIO 580 CHEM 242 Elective Elective	BIO 305 BIO Elective Elective Elective
4	CHEM 242 BCHEM 600 Elective Elective	CHEM Elective BCHEM 610 Elective Elective

## Timing of Courses

Most courses are taught each year and some are taught each semester as indicated in the following table. Staffing may necessitate changes to this schedule so Self-Service should be consulted for actual courses taught each semester

FALL	SPRING
CHEM 120: Chemical Concepts 1 CHEM 122: Chemical Concepts 2	
PHYS 110: Concepts in Physics 1	PHYS 120: Concepts in Physics 2
PHYS 101: Introductory Physics 1	PHYS 102: Introductory Physics 2
BIO 220: Organismal Physiology and Ecology	



BIO 221: Genetics, Development and Evolution	
MATH 151 (or 140, 141): Calculus 1	
MATH 152: Calculus 2	
CHEM 231: Organic Chem 1	
FSCHE 201: Research Methods in Chemistry	
FSBIO 201: Investigative Approaches in Biology	
CHEM 242: Physical Chemistry	
CHEM 253: Biochemistry	
BIO 305: Molecular Biology	
CHEM 43X, 45X, 46X: Special Topics (at least one per year, semester varies)	
CHEM 354: Metabolism	CHEM 362: Analytical Chemistry
BIO 310, 320, 325, and 360 (at least one each semester)	
CHEM 584 (typically fall) and BIO 580 (select sections): Junior Seminar (at least one each semester)	

### Important Considerations

- Placement into MATH 151 is a pre-requisite for starting CHEM 120 in the first semester. Although students do NOT need to co-enroll in math and chemistry, co-enrollment is HIGHLY recommended so that pre-requisite courses can be finished in a timely manner.

- Enrollment in PHYS 110 (Fall semesters) is restricted to first-years & sophomores. When scheduling constraints necessitate it, PHYS 110 may be replaced by PHYS 101; PHYS 101 is open to students in any class.
- In planning, students should pay attention to pre-requisites for core and upper-level courses.
- Students hoping to do a senior project with a Biology faculty member should enroll in a Biology Jr. Seminar course and those hoping to work with a Chemistry faculty member should enroll in the Chemistry Jr. Seminar.
- Any student considering a Biochemistry major is strongly encouraged to meet with a member of the Biochemistry faculty prior to scheduling classes for their Sophomore or Junior year.

## Biology

**Area of Study:** Mathematics and Natural Sciences

**Major/Minor Exclusions:**

A student minoring in Biology may not major in Biochemistry

When advising a student interested in the **Biology Major**, please note:

The **MAJOR** in Biology has six components:

- **Three introductory biology courses** (BIO 219 [Marine Biology] OR BIO 220 [Organismal Physiology and Ecology]; BIO 221 [Genetics, Development and Evolution]; and FS BIO 201).
- **Three 300-level biology courses**, one in each of the three main areas of biology (Cellular/Molecular Biology, Organismal Biology/Physiology, and Population Biology/Ecology/Evolution).
- A **Junior Seminar** (BIO 580).
- A two-semester, six credit **Senior Project and Seminar** (BIO 600 and 610).
- **Required foundation courses in Mathematics and Chemistry:** MATH 151 (or 140 and 141), CHEM 120 & 122, and one semester of Organic Chemistry (CHEM 231).
- Two additional 4-credit courses chosen from **Biostatistics** (BIO 385), **Chemistry** (CHEM 200 or higher, except 231), **Computer Science** (100-level or higher), **Geology** (100-level or higher, excluding GEO 331), **Mathematics** (MATH 152 or higher), **and/or Physics** (PHYS 101 or higher). These courses should be chosen to complement career goals or specific curricular interests. Courses numbered 190 do not qualify. Any course cross-listed as Biology does not qualify.

The **MINOR** in Biology has three components:

- **Three introductory biology courses** (BIO 219/220, 221, and FS BIO 201)
- **Two 300-level biology courses**, at least **one** of which must be a laboratory course
- **Required foundation courses in Chemistry:** CHEM 120 & 122

CHANGES FOR FALL 2022 ADVISING

As of Fall 2022, the introductory Biology sequence no longer requires CHEM 120 as a prerequisite. However, completion of the major and minor **do** still require successful completion of some chemistry and math courses. The most significant aspect of this change is that students may start Biology coursework prior to or concurrent with the chemistry or math courses.

In addition, starting in Fall 2022, students may complete BIO 220 and BIO 221 in any order. BIO 219 (Marine Biology) also may substitute for BIO 220 for interested students. However, BIO 219 is only offered in spring semester AND is not appropriate for students interested in post-graduate health professions.

As a result of these changes, introductory students interest in majoring in Biology now have (at least) four potential paths in the first semester.

1. **Chemistry and Math**
2. **Biology and Math**
3. **Biology and Chemistry**
4. **Biology, Chemistry, and Math**

The example pathways shown below have significant flexibility, within these general guidelines:

- FS BIO 201 can be taken either semester in the second year.
- Students who enroll in MATH 140 or CHEM 120 in their first semester and have difficulty in those courses should consider taking an "X" and enrolling in the CHEM 119 (Module B) course in the 2nd half of the semester.
- The Math Department recommends that students are more likely to succeed the closer the student is in time to their high school math experiences.
- **CHEM 231 is offered ONLY in the fall semester.**
- BIO 3XX upper-level courses can be distributed across semesters in any fashion once the introductory series (BIO 219/220, BIO 221, FS BIO 201) has been completed. Some BIO 3XX courses require completion of Chemistry prerequisites.

#### **Notes for students interested in health professions**

- These students should complete BIO 220, not BIO 219.
- Although placement in Mathematics 152 or higher satisfies the MATH 151 requirement for the Biology major, health professions students may need to take additional courses in Mathematics. See the Pre-Health Guidelines for further details.
- The three introductory Biology courses, MATH 151 (or 140 and 141), CHEM 120 and 122, and CHEM 231, should be completed by the end of the sophomore year. if mathematics and chemistry placement permits. **Students and their advisors should also be aware that CHEM 231 is only offered in the fall semester.**
- Students should complete CHEM 332 and 234 (Organ Chemistry II and lab), CHEM 253 (Biochemistry), and PHYS 101 and 102 (or PHYS 110 and 120).
  - PHYS 101: fall semesters only, starting Fall 2022
  - PHYS 102: Fall 2022, then spring semesters only starting Spring 2023

- PHYS 110: fall semester only
- PHYS 120: spring semester only
- CHEM 332 & 234: spring semester only

**Prerequisites for the Biology Major and Minor:**

1. Placement into MATH 151, transfer or AP credit for MATH 151, completion of MATH 140 with a C or better, or completion of CHEM 119 with a C or better are required to enroll in CHEM 120.
2. BIO 219/220 OR BIO 221 are prerequisites for FSBIO 201.
3. BIO 219/220, 221, **and** FSBIO 201 are prerequisites for BIO 300-level courses.
4. BIO 219/220, 221, **and a grade of C or higher in FSBIO 201** are prerequisites for BIO 580.
5. BIO 580 is a prerequisite for BIO 600. BIO 600 is a prerequisite for BIO 610.

**Pathway 1. Chemistry and Math**

This pathway is closest to the recommended steps prior to Fall 2022. It allows completion. It allows completion of CHEM 231 (Organic Chemistry) by the end of sophomore year, and is recommended for students that place into MATH 151. Students that place into MATH 140 probably should opt for pathway 2 (Biology and Math) instead.

	Placed into MATH 140		Placed into MATH 151	
Year	Fall	Spring	Fall	Spring
1	FS 101  MATH 140  CHEM 119 (Module B)	FS 102  MATH 141  CHEM 120 <sup>(1)</sup>	FS 101  MATH 151  CHEM 120 <sup>(1)</sup>	FS 102  BIO 219, 220, or 221  CHEM 122 <sup>(2)</sup>
2	CHEM 122 <sup>(2)</sup>  BIO 220 or 221	BIO 291, 220 or 221  FSBIO 201  Cognate	BIO 220 or 221 or FSBIO 201  CHEM 231 <sup>(3)</sup>	BIO 219, 220, 221, or FSBIO 201  Cognate
3	CHEM 231 <sup>(3)</sup>  BIO 3XX	BIO 580 <sup>(4)</sup>  BIO 3XX	BIO 580 <sup>(4)</sup>  BIO 3XX	BIO 580 <sup>(4)</sup>  BIO 3XX

	Cognate BIO 580 <sup>(4)</sup>		Cognate	
<b>4</b>	BIO 600 BIO 3XX	BIO 610	BIO 600 BIO 3XX	BIO 610

### Pathway 2. Biology and Math

This pathway is most applicable for students with biology interests but a MATH 140 placement (as they cannot immediately start with CHEM 120 in the first semester, but can begin with biology coursework). Students who place into MATH 151 also can proceed via this pathway, but will not complete CHEM 231 until their junior year.

	Placed into MATH 140		Placed into MATH 151	
Year	Fall	Spring	Fall	Spring
<b>1</b>	FS 101 MATH 140 BIO 220 or 221	FS 102 MATH 141 CHEM 120 <sup>(1)</sup> BIO 219, 220, or 221	FS 101 MATH 151 BIO 220 or 221	FS 102 BIO 219, 200, or 221 CHEM 120 <sup>(1)</sup>
<b>2</b>	CHEM 122 <sup>(2)</sup> FSBIO 201	BIO 3XX Cognate	FSBIO 201 CHEM 122 <sup>(2)</sup>	BIO 3XX Cognate
<b>3</b>	CHEM 231 <sup>(3)</sup> BIO 3XX BIO 580 <sup>(4)</sup>	BIO 580 <sup>(4)</sup> BIO 3XX Cognate	CHEM 231 <sup>(3)</sup> BIO 580 <sup>(4)</sup> BIO 3XX	BIO 580 <sup>(4)</sup> BIO 3XX Cognate
<b>4</b>	BIO 600	BIO 610	BIO 600	BIO 610

### Pathway 3. Biology and Chemistry

This new pathway is realistically only available to students placing into MATH 151 (as students with a MATH 140 placement cannot immediately start CHEM 120 in the first semester), but delays completion of MATH courses. Students placing into MATH 140 *could* take CHEM 119, but are better served via Pathway 2 (Biology and Math)

	Placed into MATH 140		Placed into MATH 151	
Year	Fall	Spring	Fall	Spring
1	FS 101 BIO 220 or 221 CHEM 119 (Module B)	FS 102 BIO 219, 220, or 221 CHEM 120 <sup>(1)</sup> MATH 140	FS 101 BIO 220 or 221 CHEM 120 <sup>(1)</sup>	FS 102 BIO 219, 220, or 221 CHEM 122 <sup>(2)</sup> MATH 151
2	CHEM 122 <sup>(2)</sup> MATH 141 FSBIO 201	Cognate	FSBIO 201 CHEM 231 <sup>(3)</sup>	Cognate BIO 3XX
3	CHEM 231 <sup>(3)</sup> BIO 3XX Cognate BIO 580 <sup>(4)</sup>	BIO 580 <sup>(4)</sup> BIO 3XX	BIO 580 <sup>(4)</sup> BIO 3XX Cognate	BIO 580 <sup>(4)</sup> BIO 3XX
4	BIO 600 BIO 3XX	BIO 610	BIO 600	BIO 610

### Pathway 4. Biology, Chemistry, and Math

This pathway is most appropriate for students with a very strong interest and demonstrated record of achievement in science and math courses (*e.g.*, placement into MATH 151 and/or transfer credit for two or more of the required courses).

<b>Year</b>	Fall	Spring
<b>1</b>	FS 101 MATH 141 CHEM 120 <sup>(1)</sup> BIO 200 or 221	FS 102 BIO 219, 220, or 221 CHEM 122 <sup>(2)</sup>
<b>2</b>	FSBIO 201 CHEM 231 <sup>(3)</sup>	BIO 3XX Cognate
<b>3</b>	BIO 580 <sup>(4)</sup> BIO 3XX Cognate	BIO 580 <sup>(4)</sup> BIO 3XX
<b>4</b>	BIO 600	BIO 610

<sup>(1)</sup> Placement into MATH 151, transfer or AP credit for MATH 151, completion of MATH 140 with a C or better, or completion of CHEM 119 with a C or better is required to enroll in CHEM 120.

<sup>(2)</sup> Prerequisite for CHEM 231, which is only offered in Fall.

<sup>(3)</sup> Only offered in Fall. Required for Biology major.

<sup>(4)</sup> Can be taken either semester of junior year.

#### Suggested Biology Progression Based on Math Placement

#### Timing of Courses

Most courses are taught each year and some are taught each semester as indicated in the following table. Staffing may necessitate changes to this schedule so Self-Service should be consulted for actual courses taught each semester.

<b>FALL</b>	<b>SPRING</b>
CHEM 120, Chemical Concepts 1 CHEM 122, Chemical Concepts 2	
PHYS 110, Concepts in Physics 1	PHYS 120, Concepts in Physics 2
PHYS 101, Introductory Physics 1	PHYS 102, Introductory Physics 2
BIO 220, Organismal Physiology and Ecology	
BIO 221, Genetics, Development and Evolution	
MATH 151, Calculus 1	
MATH 152, Calculus 2	
CHEM 231, Organic Chemistry 1	
FSCHE 201, Research Methods in Chemistry	
FSBIO 201, Investigative Approaches in Biology	
CHEM 242, Physical Chemistry	
CHEM 253, Biochemistry	
BIO 305, Molecular Biology	
CHEM 43X, 45X, 46X, Special Topics (at least one per year, semester varies)	



CHEM 361, Instrumental Chemistry	
CHEM 354, Metabolism	
BIO 310, 315, 320, 325, and 360 (at least one each semester)	
CHEM 584 (typically fall) and BIO 580 (selected sections): Junior Seminar (at least one each semester)	

### Important Considerations:

- Placement into Math 151 is a pre-requisite for starting in Chemistry 120 in the first semester. Although students do NOT need to co-enroll in math and chemistry, co-enrollment is HIGHLY recommended so that pre-requisite courses can be finished in a timely manner.
- Enrollment in Physics 110 (Fall semesters) is restricted to freshmen & sophomores. When scheduling constraints necessitate it, Physics 110 may be replaced by Physics 101; Phys 101 is open to students in any class.
- In planning, students should pay attention to pre-requisites for core and upper-level courses.
- Students hoping to do a senior project with a Biology faculty member should enroll in a Biology Jr. Seminar course and those hoping to work with a Chemistry faculty member should enroll in the Chemistry Jr. Seminar.
- Any student considering a Biochemistry Major is strongly encouraged to meet with a member of the Biochemistry faculty prior to scheduling classes for their Sophomore or Junior year.

## Black Studies

**Area of Study:** Interdisciplinary Studies

Black Studies (BLKST) is a 20-credit minor that requires the following and can best be constructed in consultation with the Black Studies Coordinator, Professor Barbara Shaw:

Take all of the following required courses (12 credits)

- BLKST 100, *Introduction to Black Studies*
- BLKST 255/HIST 255, *African-American History to 1865* **OR** BLKST 257/HIST 257, *African-American History since 1865* (students can sign up under BLKST OR HIST)
- BLKST 300, *Critical Race Theory* OR BLKST 305, *Black Feminist Thought*

Choose two classes from the following list of electives (8 credits)

- BLKST 174/RELST 174 (students can sign up under BLKST **OR** RELST)
- BLKST 255

- BLKST 236/ENGL 236 (students can sign up under BLKST **OR** ENGL)
- BLKST 355/COMJ 355 (students can sign up under BLKST **OR** COMJ)
- BLKST 374/RELST 374 (students can sign up under BLKST **OR** RELST)
- COMJ 460
- ENVSC 352
- HIST 261, 269, 324, 345, 347, 563, 571, 572
- PHIL 210, 215, 275
- POLSC 303, 344, 482
- PSYCH 451
- RELST 146
- WGSS 210, 275, 310, 410

**Black Studies is an Interdisciplinary Studies minor and so may be combined with any other program on campus as a major.**

If a student has questions, please refer them to:

Professor Barbara Shaw  
 217 Odd Fellows  
 814-332-4335  
 bshaw@allegheny.edu

## **Business (First-Year and Transfer)**

**Area of Study:** Social and Behavioral Science

**Major/Minor Exclusion:**

A student majoring in Business may not Double Major or Minor in Economics

The Business major consists of a core of seven required courses (Introductory Microeconomics and Macroeconomics, either Microeconomic or Macroeconomic Theory, Statistics, Accounting, and Introductory and Advanced Business Economics), two elective courses (one at the 200 level and one and the 400 level), two interdisciplinary courses (one in Business Communications and one in Business Ethics/Reasoning), a seminar (taken 2nd semester junior or first semester senior year) and the senior project (taken the semester after the seminar).

The recommended schedule for most students is to take Introductory Microeconomics (ECON 100) and Introductory Macroeconomics (ECON 101) during their first year, followed by Economic Theory (ECON 200 or 201), Statistics (ECON 202), Accounting (ECON 285), and Introductory Business Economics (ECON 240) beginning their sophomore year.

When advising a student interested in Business, please note:

- The order in which ECON 100 and 101 are taken does not matter. The same is true for ECON 200 and 201.
- MATH 140 or 151 is a prerequisite to ECON 200, 201, and 202 and should be taken First year.
- Courses numbered 011 or 010 do not count towards the major or minor.

- ECON 190 and 226-286 are sophomore-level electives and can be taken without ECON 200-203.
- FSECO201 can substitute for a 200-level elective.
- All Business majors take an ECON 570-580 level seminar in their first semester senior year or second semester junior year. They complete their senior projects following next semester. Most students do their senior projects under the supervision of their seminar instructor.
- There is no minor in Business.
- Students cannot double major in Business and Economics.
- When choosing between the Economics and Business majors, students should consider the following:
  - There is a lot of overlap between the two majors, so for most students, there is no bad choice. Generations of Allegheny alumni have gone into every field of business after majoring in Economics, English, Philosophy, Political Science, etc.
  - The Economics major requires more of the core Economics courses. The Business major requires fewer core Economics courses, but more courses overall.
    - The Economics major requires 12 courses plus the math prerequisite. The Business major requires 13 courses plus the math prerequisite.
    - Business majors are only required to take one of the theory courses (ECON 200 or 201) and only the first Statistics course (ECON 202 but not ECON 203). Students who are interested in developing stronger quantitative skills, for example students who want to go into the fields of economics, finance, or data analytics, should consider majoring in economics.
    - The Business major requires more Business classes, such as Accounting, Introductory and Advanced Business Economics, Business Ethics, and Business Communication. Business majors are introduced to concepts in business-related fields, such as Human Resource Management, Accounting, and Marketing. Students who are interested in studying a broad set of business-related topics should consider majoring in business.

Sample Schedule for a **Business Major placing into MATH 151:**

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
First-Year	FS 101 ECON 101 MATH 151	FS 102 ECON 100
Sophomore	ECON 200 ECON 240	ECON 202 ECON 285

Junior	ECON 440 ECON 200-level Elective	ECON 400-level Elective Communications Elective
Senior	ECON 570-580 Ethics/Reasoning Elective	ECON 620

Sample Schedule for a **Business Major placing into MATH 151 and studying abroad:**

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
First-Year	FS 101 ECON 100 MATH 151	FS 102 ECON 101
Sophomore	ECON 200 ECON 240	ECON 202 ECON 285
Junior	Study Abroad. Transfer back one 200-level business elective plus three non-business classes.	ECON 440 Communications Elective
Senior	ECON 570-580 ECON 400-level Elective	ECON 620 Ethics/Reasoning Elective

Sample Schedule for a **Business Major starting late and placing into Math 140:**

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester

First-Year	FS 101	FS 102
Sophomore	ECON 100 ECON 285 MATH 140	ECON 101 ECON 240 ECON 200
Junior	ECON 203 ECON 200-level Elective	ECON 440 Ethics/Reasoning Elective
Senior	ECON 400-level Elective ECON 570-580	ECON 620 Communications Elective

## Information for Transfer Students

Suggested pathway of a **Business Major** for a transfer student planning to finish in 3 years. Students are expected to be transferring MATH 140 or 141, ECON 100, 101, and 285.

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
<b>Sophomore</b>	ECON 200 or 201 ECON 202 ECON 226 FSECO 201	ECON 240 PHIL 140 ENGL 114
<b>Junior</b>	Study Abroad. Transfer back one ECON 200-level and one ECON 400-level elective plus two non-economics classes	ECON 440 Courses for distribution and minor
<b>Senior</b>	ECON 580	ECON 620

	Courses for distribution and minor	Courses for distribution and minor
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Suggested pathway of a **Business Major** for a transfer student planning to finish in 2 years. Students are expected to be transferring MATH 140 or 141, ECON 100, 101, 200 or 201, and 285 and one or more electives in Business or Economics.

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
<b>Junior</b>	ECON 240 PHIL 140 Courses for distribution and minor	ECON 400-level elective ENGL 110 Courses for distribution and minor
<b>Senior</b>	ECON 440 ECON 580 Courses for distribution and minor	ECON 620 Courses for distribution and minor

## Chemistry

**Area of Study:** Mathematics and Natural Sciences

**Major/Minor Exclusions:**

A student minoring in Chemistry may not major in Biochemistry

**General Principles to consider in advising a student for Chemistry:**

The Chemistry Major is a highly hierarchical major and requires 64 credits (17 courses) to complete. This means that students interested in Chemistry for their major will need to begin the foundational Mathematics and Natural Sciences courses early in their academic career. The Introductory Math sequence (MATH 151, 152), and General Chemistry (120, 122) are all prerequisites to intermediate and advanced courses in the Major and should be completed by the end of fall semester in a student's sophomore year. The first introductory chemistry course (CHEM 120-Chemical Concepts I) has a Math prerequisite of testing into MATH 151 through the Allegheny College Math placement test. If students test into MATH 151, they should be advised to take MATH 151 and CHEM 120 in the Fall of their first year. If they do not test into MATH 151, they should be advised to take MATH 140 and consider taking CHEM 119. On successful completion of either MATH 140 or CHEM 119, they can register for CHEM 120 in the Spring of their first year.

It is very important to indicate to students who come in with weaker academic backgrounds (not testing into Math151 would be an indication of this) should be cognizant of the need to complete prerequisites in a timely manner so that they do not end up with schedules in their junior and senior year that are unrealistic or impossible to schedule due to time constraints and conflicting course times. Also please keep in mind that many courses in the major have a grade prerequisite (C or better) to continue on to the next course.

In general, if a student does not feel ready to take more than one Natural Science course in a given semester they are not likely to be able to handle three or four such courses in their Junior and Senior years. A 17 course major equates to an average of just over two courses each of eight semesters. Thus advising a student to take only one NS course a semester, puts this student in an impossible position to complete the Chemistry major in four years. In some cases, students may need to consider taking summer courses for transfer, or planning for an extra semester or year to complete the major. This will be the case if a student takes only one NS course for the major in each of their first 2-3 semesters, or if they start the courses for the major later than the sophomore year. Students should be made aware of this reality if they are advised to limit their NS courses to one per semester in the first three to four semesters.

If a student expresses an interest (due to minor choice or other) in a Junior Year abroad experience it is very important that they speak with a member of the Chemistry Dept., or the Chair for guidance during their first year or early in their sophomore year. Depending on the experience they wish to pursue it may be important for them to consider taking their Jr. Seminar in the sophomore year, but this and other options need to be discussed with Chemistry Dept faculty.

Finally, any student considering a Chemistry major is strongly encouraged to meet with a member of the Chemistry faculty, or the Chair of the department prior to scheduling classes for their Sophomore year, or in their Sophomore year to help minimize issues as the student progresses through their intended path.

### Timing of Courses

Most courses are taught each year and some are taught each semester as indicated in the following table.

**Table 1: Typical timing of chemistry course offerings by semester through the sophomore year.**

Course	Fall Semester	Spring Semester
CHEM 119*	Yes, Module B only	No
CHEM 120	Yes	Yes
CHEM 122	Yes	Yes

CHEM 231	Yes	No
CHEM 332	No	Yes
CHEM 222	No	Yes
CHEM 242	Yes	No
CHEM 253	Yes	Yes
FSCHE 201	Yes	Yes

In some cases staffing may necessitate changes to this schedule, so please consult Self-Service, or the Dept Chair for the exact timing of courses taught each semester

### Important Notes to Consider

- Students who do not place into MATH 151 should register for MATH 140 in their first semester, and /or consider registering for CHEM 119 to meet the Chem120 pre-req.
- Placement into MATH 151 is a pre-requisite for starting in CHEM 120 in the first semester. Although students do NOT need to co-enroll in math and chemistry, co-enrollment is HIGHLY recommended so that pre-requisite courses can be finished in a timely manner.
- Enrollment in PHYS 110 (Fall semesters) is restricted to freshmen & sophomores. When scheduling constraints necessitate it, PHYS 110 may be replaced by PHYS 101; PHYS 101 is open to students in any class.
- In planning, students should pay attention to pre-requisites for core and upper-level courses.

## Chinese Studies

**Area of Study:** Interdisciplinary Studies

Now housed in International Studies

Professors Wu (Program Coordinator), Mitchell, Wesoky

An interdivisional minor examining the religion, politics, history, and language of China. The minor includes coursework in Chinese language, Religious Studies, History, and Political Science. Through this minor, students will acquire an understanding of Chinese culture, history, society, and contemporary politics and the ability to critically analyze various issues of a non-Western civilization and its modern transformation. A minimum of 24 credits are required to fulfill the requirements for the minor. When



appropriate, other courses- for example, Special Topics or FS 201 courses in relevant subjects-may be substituted for approved electives to bring the total credits to at least 24. All substitutions of alternatives for approved courses must be approved by the minor coordinator, and students must discuss any potential course substitutions prior to enrolling in the course. Because the Chinese Studies minor is interdivisional, students who complete any major can take Chinese Studies as minor.

### **The Chinese Studies Minor**

The minor in Chinese Studies requires:

1. Linguistic and Cultural Perspectives requirement: at least 12 credits selected from the list below.
2. Historical and Political Perspectives requirement: at least 12 credits selected from the list below.
3. Advanced coursework requirement: at least one course for the minor must be at the 300-level or above.

Linguistic and Cultural Perspectives Courses Approved for the Chinese Studies Minor:

CHIN 110, Beginning Chinese I

CHIN 120, Beginning Chinese II

CHIN 215, Intermediate Chinese

CHIN 225, Chinese Readings, Films, and Composition

CHIN 305, Advanced Chinese Language and Culture

RELST 160, Buddhism

RELST 170, Religions of China

Historical and Political Perspectives Courses Approved for the Chinese Studies Minor:

HIST 165, Pre-Modern China

HIST 167, Modern China, 1800-2000

HIST 272, Socialism and Post-Socialism in PRC

HIST 353, Women and Revolution in China through Fiction and Film

HIST 355, Modern Chinese Warfare

HIST 573, Mao's Cultural Revolution

POLSC, 228 Government and Politics of China

POLSC, 336 Politics and Culture in the Asia-Pacific

POLSC, 386 Chinese Political Thought: From Confucius to the New Left

## Classical Studies

**Area of Study:** Values and Societies

Now housed in History

**Program Faculty:** Professor Herrman

The Classical Studies minor provides a broad-based introduction to ancient Greek and Roman civilization which includes components of Latin language study, history and cultural studies. Students gain familiarity with diverse aspects of the ancient world and learn how to formulate original arguments based on primary sources, both material and literary. The minor requires 20 credits. Because this minor is interdivisional, students may complete any Major to satisfy the college requirement that the Major and Minor be in different divisions.

### Course Requirements

1. Latin language requirement (eight credits). Take at least eight credits of Latin language courses, which must be independent of any Latin courses used to satisfy any other requirements (i.e., no "double-counting" of Latin courses).

Additional Latin courses may also be used for the Advanced course or Electives requirement for the minor. Students at the beginning level start with Latin 110 (offered every Fall), then 120 (offered every Spring). Students with high school experience should take the placement test and may be encouraged to start at the intermediate or advanced level; 215 and 315 are typically offered once per year. Because intermediate and advanced courses are not offered every semester, students with previous Latin experience are strongly encouraged to start Latin as soon as possible at Allegheny, and to contact Prof. Herrman as soon as possible to map out a plan for completing the minor. Any questions should be directed to Judson Herrman (jherrman@allegheny.edu), 814-332-4303.

2. Classical history requirement (four credits). Take one of the following:

- History 101, The Greek World, 1184-323BCE
- History 103, The Roman World, 753BCE-180CE

3. Advanced course requirement (four credits). Take one of the following:

- History 550, Writing Ancient History
- History 551, Orality and Literacy in Ancient Greece
- Latin 315, Advanced Latin

4. Elective (four credits). Take one of the following elective courses to bring the total credits for the minor to at least 20:

- History 101, The Greek World, 1184-323BCE
- History 103, The Roman World, 753BCE-180CE
- History 220, Law and Democracy in Ancient Greece
- History 320, Writing Ancient History (cannot be taken by students who take HIST 550)
- History 321, Orality and Literacy in Ancient Greece (cannot be taken by students who take HIST 551)
- Latin 215, Intermediate Latin
- World Languages and Culture (WLC) 270, Greek Mythology
- Philosophy 260, Ancient Greek Philosophy

Students who take both History 101 and 103 may count one of them toward the elective requirement. Other appropriate courses may be included in the minor with the permission of the minor coordinator. Students are strongly encouraged to discuss any potential course substitutions prior to enrolling in the course.

## Communication, Film, and Theatre

### Areas of Study:

- Communication and Cultural Studies
  - Values and Societies
- Film and Digital Storytelling and Theatre
  - Visual and Performing Arts

### Major/Minor Exclusions:

A student majoring in Communication and Cultural Studies may not double major or minor in Theatre or minor in Film and Digital Storytelling.

A student minoring in Communication and Cultural Studies may not major in Theatre.

A student minoring in Film and Digital Storytelling may not major in Communication and Cultural Studies or Theatre.

A student majoring in Theatre may not double major or minor in Communication and Cultural Studies or minor in Film and Digital Storytelling.

A student minoring in Theatre may not major in Communication and Cultural Studies.

**Discontinued Program:** Film and Digital Storytelling Major (last in 2021-2022 Bulletin)

The department offers 2 majors and 3 minors:

- **Communication & Cultural Studies (COMM) - major and minor**
- **Film & Digital Storytelling (FDS) - minor only**
- **Theatre (THTR) - major and minor**

Minimum credits for majors & minors are as follows:

	<b>Communication and Cultural Studies</b>	<b>Film and Digital Storytelling</b>	<b>Theatre</b>
<b>Major</b>	50 Credits		55 Credits
<b>Minor</b>	24 Credits	24 Credits	24 Credits

- Majors *should* take introductory courses during the 1<sup>st</sup> year
- Minors should take introductory courses during the 1<sup>st</sup> or 2<sup>nd</sup> year
- Majors and minors *must* take introductory courses before the 4<sup>th</sup> year
  - **Communication & Cultural Studies:** COMM 120 *and* COM 145
  - **Film & Digital Storytelling:** FDS 171 *and* FDS 202
  - **Theatre:** THTR 110, THTR 150 *and* THTR 150
- The majors combin a core sequence (from introductory courses to the Senior Project) with 2 elective modules of 12 credits each. the Theatre major requires one of the elective modules to be "Live Performance" (THTR courses).
- The majors requier students to take at least 3 courses (12 credits) in one of the other areas of the department through a 3-course elective module. They are:
  - "Media, Politics, & Technology (COMM courses)
  - "Popular Culture and Civic Life" (COMM courses)
  - "Digital Storytelling" (FDS and JOURN courses)
  - "Live Performance" (THTR courses)
- FSCOM 201 is recommended but not required for majors or minors
  - Majors can use FSCOM 201 toward one "Module of Inquiry"
  - Minors can use FSCOM 201 toward their requirements
- **If a student lets you know that they plan to major in Film & Digital Storytelling, please ask them to speak with Michael Mehler, chair of Communication, Film, and Theatre.**

**Communication and Cultural Studies Major (50 Credits) suggested timeline:**

	Fall Semester	Spring Semester	Either Semester
First Year (8 credits)	FS 101	FS 102	COMM 120  COMM 145
Sophomore	1 <sup>st</sup> Elective module	2 <sup>nd</sup> Elective module	FSCOM 201

(16 credits)	(course 1 of 3) <sup>2</sup>	(course 1 of 3) <sup>2</sup>	COMM 241 "Media-making" course <sup>1</sup>
Junior (14 credits)	1 <sup>st</sup> Elective module (course 2 of 3) <sup>2</sup>	2 <sup>nd</sup> Elective module (course 2 of 3) <sup>2</sup>	COMM 581 COMM 600 (2 credits, usually concurrent with COMM 581)
Senior (12 credits)	1 <sup>st</sup> Elective module (course 3 of 3) <sup>2</sup>	2 <sup>nd</sup> Elective module (course 3 of 3) <sup>2</sup>	COMM 610

<sup>1</sup>"Media-making" (choose 1)

ART 187 Electronic & Intermedia Art	FDS 171 Filmmaking & Digital Storytelling I
CMPSC 100 Computational Expression	FDS 375 Documentary Tradition
CMPSC 302 Web Development	JOURN 300 Multimedia Journalism

<sup>2</sup>"Modes of Inquiry" (choose 2 modules, take 3 courses from each - 2 of 6 courses must be at 300-level)

<u>Media, Politics, &amp; Technology</u>	
COMM 256 Power, Politics, & Communication	COMM 336 Screen Cultures
COMM 261 Media Institutions	COMM 340 Computational Cultures
COMM 331 Bodies & Health in Communication	COMM 376 Ethnographic Methods in Media & Cultural Studies

<u>Popular Culture and Civic Life</u>	
COMM 235 Advanced Public Speaking	COMM 351 Media and Identity
COMM 251 Gender in Public Communication	COMM 360 Rhetoric & Civic Engagement
COMM 276 Digital Branding & Integrated Communication Practices	COMM 381 Media & Cultural Politics
	COMM 386 Branding, Culture, & Politics

<u>Digital Storytelling (may not repeat course taken for "Media-making")</u>	
FDS 171 Filmmaking & Digital Storytelling 1	FDS 350 Filmmaking Techniques
FDS 202 Film as a Narrative Art	FDS 375 Documentary Tradition
FDS 300 Filmmaking & Digital Storytelling 2	JOURN 300 Multimedia Journalism
FDS 310 Acting & Directing for the Camera	

<u>Live Performance</u>	
THTR 110 Intro to Theatre	THTR 280 Directing 1

THTR 150 Acting 1	THTR 311 Theatre History 1: Classical Ages...
THTR 180 Management for the Performing Arts	THTR 312 Theatre History 2: Revolutionary Stage
THTR 210 Text & Performance	THTR 350 Acting 3
THTR 250 Acting 2	THTR 360 Design 2
THTR 260 Design 1	THTR 380 Directing 2

**Theatre Major (55 credits) suggested timeline:**

	Fall Semester	Spring Semester	Either Semester
First Year (12 credits)	FS 101 THTR 160 (2 cr) and THTR 161, 162, or 163 (2 cr)	FS 102	THTR 110 THTR 150
Sophomore (13-17 credits)	"Theatre Elective" (course 1 of 3) <sup>1</sup>	THTR 210 "Module of Inquiry" course (course 1 of 3) <sup>2</sup>	FSCOM 201 "Practicum" (1 cr, course 1 of 2)  THTR 311 (Fall) or THTR 312 (Spring), taken 2 <sup>nd</sup> or 3 <sup>rd</sup> year
Junior 14-18 credits)	THTR 582 "Theatre Elective"	THTR 600 (1 cr) "Module of Inquiry" course	"Practicum" (1 cr, course 2 of 2)

	(course 2 of 3) <sup>1</sup>	(course 2 of 3) <sup>2</sup>	
Senior (12 credits)	"Theatre Elective" (course 3 of 3) <sup>1</sup>	"Module of Inquiry" course (course 3 of 3) <sup>2</sup>	THTR 610

<sup>1</sup>"Theatre Electives" (3 courses, 1 must be at 300-level)

THTR 180 Management for the Performing Arts	THTR 311 Theatre History 1: Classical Age...
THTR 250 Acting 2	THTR 312 Theatre History 2: Revolutionary Stage
THTR 260 Design 1	THTR 350 Acting 3
THTR 280 Directing 1	THTR 360 Design 2
	THTR 380 Directing 2

<sup>2</sup>"Modules of Inquiry" (choose 1 module, take 3 courses - 1 course must be at 300-level)

<u>Media, Politics, &amp; Technology</u>	
COMM 120 Introduction to Media Culture	COMM 336 Screen Cultures
COMM 256 Power, Politics, & Communication	COMM 340 Computational Culture
COMM 261 Media Institutions	COMM 376 Ethnographic Methods in Media & Cultural Studies



COMM 331 Bodies & Health in Communication	
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<u>Popular Culture and Civic Life</u>	
COMM 145 Communication and Democratic Life	COMM 351 Media and Identity
COMM 235 Advanced Public Speaking	COMM 360 Rhetoric & Civic Engagement
COMM 251 Gender in Public Communication	COMM 381 Media & Cultural Politics
COMM 276 Digital Branding & Integrated Communication Practices	COMM 386 Branding, Culture, & Politics

<u>Digital Storytelling</u>	
FDS 171 Filmmaking & Digital Storytelling 1	FDS 350 Filmmaking Techniques
FDS 202 Film as a Narrative Art	FDS 375 Documentary Tradition
FDS 300 Filmmaking & Digital Storytelling 2	JOURN 300 Multimedia Journalism
FDS 310 Acting & Directing for the Camera	

**Communication and Cultural Studies Minor (24 credits) suggested timeline:**

	Fall Semester	Spring Semester	Either Semester
First Year (4 credits)	FS 101	FS 102	COMM 120 or COMM 145
Sophomore (8 credits)	COMM 200-level course	COMM 200-level course	FSCOM 201  (can be used as a COMM 200-level course)
Junior (8 credits)	COMM 300-level course	COMM 300-level course	
Senior (4 credits)			Any other COMM, FDS, or THTR course  (100, 200, or 300-level)

**Film and Digital Storytelling Minor (24 credits) suggested timeline:**

	Fall Semester	Spring Semester	Either Semester
First Year (4 credits)	FS 101	FS 102	FDS 171
Sophomore (8 credits)	FDS 202	"Digital Storytelling" course  (course 1 of 3) <sup>1</sup>	FSCOM 201

Junior (8 credits)	"Digital Storytelling" course  (course 2 of 3) <sup>1</sup>	"Digital Storytelling" course  (course 3 of 3) <sup>1</sup>	
Senior (4 credits)			Any other COMM, FDS, or THTR course  (100, 200, or 300-level)

<sup>1</sup>"Digital Storytelling" (2 courses, 2 at 300-level or above)

FDS 300 Filmmaking & Digital Storytelling 2	FDS 375 Documentary Tradition
FDS 310 Acting & Directing for the Camera	FDS 583 Junior Seminar
FDS 350 Filmmaking Technique	JOURN 300 Multimedia Journalism

**Theatre Minor (24 credits) suggested timeline:**

	Fall Semester	Spring Semester	Either Semester
First Year (4 credits)	FS 101	FS 102	THTR 110
Sophomore (8 credits)		THTR 210	"Performance & Production" (4 cr) <sup>2</sup>  FSCOM 201
Junior (8 credits)	THTR 582		THTR 311 (Fall) or THTR 312 (Spring)

Senior (4 credits)			Any other COMM, FDS, or THTR course (100, 200, or 300-level)
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<sup>2</sup>"Performance & Production" (4 credits):

THTR 150 Acting 1	THTR 160 Introduction to Theatre Production (2 cr)
THTR 180 Management for the Performing Arts	<i>-and-one of the following</i> THTR 161 Scenic Production (2 cr)
THTR 260 Design 1	THTR 162 Costume Production (2 cr) THTR 163 Lighting Production (2)

## Communication and Theatre Transition Tracking

### Communication major

Category	Courses through 20/SP	COMM Courses 20/FA and after	FDS/THTR Courses 20/FA and after
<i>Introductory</i> Take BOTH	COMRT 120 Critical Media Studies	COMM 120 Intro to Media Culture	
	COMRT 145 Rhetoric & Public Comm	COMM 145 Comm & Democratic Life	
<i>Method</i> Take ONE	COMRT 202 Modes of Film & Video		FDS 202 Film as a Narrative Art
	COMRT 220 Media Criticism	COMM 241 Cultural Criticism	

	COMRT 240 Textual Analysis		
<i>Practice</i> Take ONE	COMRT 150 Acting I: Fundamentals		THTR 150 Acting 1: Fundamentals of Performance
	COMRT 170 Oral Interpretation	n/a	
	COMRT 235 Adv Public Speaking	COMM 235 Adv Public Speaking	
	COMRT 276 Media, Theory, and Practice	COMM 276 Digital and Integrated Branding Practices	
	COMRT 285 Visual Production I		FDS 171 Filmmaking and Digital Storytelling 1
<i>Communication and Civic Engagement</i> Take ONE	COMRT 256 Power, Politics, & Comm	COMM 256 Power, Politics, & Comm	
	COMRT 261 Media Institutions	COMM 261 Media Institutions	
	COMRT 360 Rhetoric and Civic Engagement	COMM 360 Rhetoric and Civic Engagement	
<i>Communication and Identity</i>	COMRT 251 Gender in Public Comm	COMM 251 Gender in Public Comm	

Take ONE	COMRT 331 Bodies and Health in Public Comm	COMM 331 Bodies and Health in Public Comm	
	COMRT 351 Media and Identity	COMM 351 Media and Identity	
	COMRT 376 Media Consumption	COMM 376 Ethnographic Methods in Media and Cultural Studies	
<i>Advanced Topics</i> Take ONE	COMRT 303 Acting & Directing for the Camera		FDS 310 Acting and Directing for the Camera
	COMRT 305 Adv Studio Production		
	COMRT 336 The Visual in Public Communication	COMM 336 Screen Cultures	
	COMRT 340 Computational Culture	COMM 340 Computational Culture	
	COMRT 375 Documentary Tradition		FDS 375 Documentary Tradition
	COMRT 460 Media and Cultural Politics	COMM 381 Media and Cultural Politics	
<i>Advanced Theory and Practice</i>	COMRT 300 Visual Production II		FDS 300 Filmmaking and Digital Storytelling 2

Take ONE	COMRT 465 Media and Cultural Theory	COMM 300-level course not already taken	
	COMRT 471 Theories of Identity and Representation	n/a	
			FDS 350 Filmmaking Technique
<i>Junior Seminar</i>  Take ONE	COMRT 581 Comm Jr Seminar	COMM 581 Junior Seminar	
	COMRT 583 Production Jr Seminar		FDS 583 Junior Seminar
<i>Senior Project</i>	COMRT 600 Comprehensive Seminar	COMM 600 Senior Seminar	
	COMRT 610 Comm Senior Project	COMM 610 Senior Project	
<i>Electives</i>	additional COMRT course (4 credits)	additional COMM course (4 credits)	additional FDS course (4 credits)
	-or- FSCOM 201	-or- FSCOM 201	

**Communication minor**

<b>Catetory</b>	<b>Courses through 20/SP</b>	<b>COMRT Courses 20/FA and after</b>	<b>FDS Courses 20/FA and after</b>
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<i>Introductory</i> Take ONE	COMRT 120 Introduction to Critical Media Studies	COMM 120 Introduction to Media Culture	
	COMRT 145 Foundations of Rhetoric and Public Communication	COMM 145 Communication and Democratic Life	
<i>200-level</i> Take TWO	COMRT 200-level course	COMM 200-level course	
			FDS 200-level courses
	FSCOM 201	FSCOM 201	
<i>300-level or higher</i> Take TWO	COMRT 300-level courses	COMM 300-level courses	
			FDS 300-level courses
	COMRT 400-level courses	n/a	
	COMRT 581 COMM Jr Seminar	COMM 581 Junior Seminar	
	COMRT 583 Production Jr Seminar		FDS 583 Junior Seminar
<i>Elective</i> Take ONE	Any COMRT course listed for the Communication major	ANY COMM course not taken above	Any FDS course not taken above
			any THTR course
	COMRT 529 Internship	COMM 529 Internship	



**Theatre major**

Category	Courses through 20/SP	Courses 20/FA and after	
<i>Introductory</i>  Take BOTH	COMRT 130 Introduction to Theatre	THTR 110 Introduction to Theatre	
	COMRT 225 Text and Performance	THTR 210 Text and Performance	
<i>Production</i>  Take ONE (4 credits)	COMRT 150 Acting I: fundamentals	THTR 150 Acting 1: Fundamentals of Performance	
	COMRT 170 Oral Interpretation	n/a	
<i>Production</i>  Take ONE (4 credits)	COMRT 180 Introduction to Theatre Production	THTR 160 Introduction to State Production (2 credits)	THTR 160 Scenic Production (2 cr)
		-AND--  one of:	THTR 162 Costume Production (2 cr)
			THTR 163 Lighting Production (2 cr)
-AND-  Take ONE (2 credits)  not taken above	COMRT 211 Topics in Scenic Prod	THTR 161 Scenic Production (2 cr)	
	COMRT 212 Topics in Ltg & Snd Prod	THTR 163 Lighting Production (2 cr)	
	COMRT 213 Topics in Costume Production	THTR 162 Costume Production (2 cr)	

	COMRT 214 Topics in Theatre Mgt	n/a	
<i>Practicum</i> Take TWO	COMRT 151 Practicum: Performance	THTR 221 Practicum: Performance	
	COMRT 181 Practicum: Production	THTR 222 Practicum: Production	
	COMRT 281 Practicum: Management	THTR 223 Practicum: Management	
		THTR 224 Practicum: Dramaturgy	
<i>Theatre History</i> Take BOTH	COMRT 315 Theatre History I	THTR 311 Theatre History 1	
	COMRT 325 Theatre History II	THTR 312 Theatre History 2	
<i>Junior Seminar</i>	COMRT 582 Theatre Junior Seminar	THTR 582 Junior Seminar	
<i>Senior Project</i>	COMRT 600 Comprehensive Seminar	THTR 600 Theatre Comprehensive Seminar	
	COMRT 611 Theatre Senior Project	THTR 610 Theatre Senior Project	
<i>Electives</i> 8-16 hours	additional COMRT courses	Additional THTR courses	may include COMM or FDS course at advisor's

	-or- FSCOM 201	-or- FSCOM 201	discretion
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**Theatre minor**

<b>Category</b>	<b>Courses through 20/SP</b>	<b>Courses 20/FA and after</b>	
<i>Introduction</i>  Take BOTH	COMRT 130 Introduction to Theatre	THTR 110 Introduction to Theatre	
	COMRT 225 Text and Performance	THTR 210 Text and Performance	
<i>Performance/ Production</i>  Take ONE	COMRT 150 Acting I: Fundamentals	THTR 150 Acting 1: Fundamentals of Performance	
	COMRT 180 Introduction to Theatre Production	THTR 160 Introduction to Stage Production (2 credits)  -AND- one of:	THTR 161 Scenic Production (2 cr)
			THTR 162 Costume Production (2 cr)
			THTr 163 Lighting Production (2 cr)
COMRT 200 Fund of Play Direction	THTR 280 Directing 1		
<i>Advanced</i>  Take ONE	COMRT 230 Production Design I	THTR 260 Production Design 1	
	COMRT 270 Acting II: Scene Study	THTR 250 Acting 2: Scene Study	

	COMRT 315 Theatre History I	THTR 311 Theatre History 1	
	COMRT 325 Theatre History II	THTR 312 Theatre History 2	
	COMRT 380 Acting III: Styles	THTR 350 ACTing 3: Styles	
	COMRT 425 Advanced Play Direction	THTR 380 Directing 2	
	COMRT 430 Advanced Topics	n/a	
<i>Theatre History</i> Take ONE	COMRT 315 Theatre History I	THTR 311 Theatre History 1	
	COMRT 325 Theatre History II	THTR 312 Theatre History 2	
<i>Junior Seminar</i>	COMRT 582 Theatre Junior Seminar	THTR 582 Junior Seminar	

## Community and Justice Studies (First Year and Transfer)

**Area of Study:** Interdisciplinary Studies

If a student expresses an interest in social justice, community service, activism, civic engagement, please bring the COMJ Program to their attention.

**COMJ MAJOR NOTES**

- 44 credits are required to complete the Major.
- The following courses are required for the Major:
  - COMJ 160 Foundations of Community and Justice Studies (4 credits)
  - COMJ 280: Power, Society and Social Change (4 credits) (usually offered Fall Semester only)
  - COMJ 460: Community Organizing and Civic Professionalism (4 credits)(usually offered Spring Semester only)
  - COMJ 560: COMJ Junior Seminar (4 credits)(usually offered Spring Semester only)
  - COMJ 620: COMJ Senior Comprehensive Project (4 credits)
- In addition to the core COMJ courses above, students must take one in each of the following categories:
  - Ethics (4 credits)
  - Place: a course grounded in our community (4 credits)
  - Political Participation and Democracy (4 credits)
- Finally, COMJ students take 3 courses within a self-designed theme. (12 credits)

Suggested Schedule for **COMJ Majors** (for specific courses required for the Major, please see the *Academic Bulletin*):

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)
First Year	FS 101  COMJ 160 or  Political Participation and Democracy elective (COMM 145 is a good one) or  Ethics elective (PHIL 140 is a good one)	FS 102  COMJ 160 or  Political Participation and Democracy elective (COMM145 is a good one) or  Ethics elective (PHIL 140 is a good one)
Sophomore	COMJ 280  Continue working on electives	COMJ 460  Continue working on Electives  Identify COMJ theme

Junior	COMJ 280 Theme coursework Finish electives	COMJ 460 COMJ 560 Theme coursework Finish Electives
Senior	COMJ 620 Complete Theme coursework	COMJ 620

### COMJ MINOR NOTES

24 credits are required to complete the Minor. The following courses are required for the Minor:

- COMJ 160 Foundations of Community and Justice Studies (4 credits)
- COMJ 280: Power, Society and Social Change (4 credits) (usually offered Fall Semester only)
- COMJ 460: Community Organizing and Civic Professionalism (4 credits)(usually offered Spring Semester only)
- COMJ Theme: Students take three courses (12 credits) in a self-designed theme; one of these courses should be a COMJ elective (e.g., COMJ 350 Black Meadville; COMJ 310 Multicultural Education)

Suggested Schedule for **COMJ Minor** (for specific courses required for the Minor, please see the *Academic Bulletin*):

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)
First Year	FS 101 COMJ 160	FS 102 COMJ 160
Sophomore	COMJ 280	COMJ 460
Junior	COMJ 280 Theme coursework	COMJ 460 Theme coursework

Senior	Complete theme coursework	COMJ 460 Complete theme coursework
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## Information for Transfer Students

### COMJ major in 3 years

- Ideally, a transfer student considering a COMJ major with one year of experience elsewhere will be able to transfer in courses that count for the Political Participation elective and/or the Ethics Requirement.

	Fall Semester	Spring Semester
<b>Second Year</b>	<ul style="list-style-type: none"> <li>• COMJ 160</li> </ul>	<ul style="list-style-type: none"> <li>• COMJ 160 (if not already taken)</li> <li>• Work on Political Participation, Ethics, and/or Place requirements</li> <li>• Work with advisor to identify COMJ theme courses</li> <li>• Work with advisor to identify service/organizing experience</li> </ul>
<b>Third Year</b>	<ul style="list-style-type: none"> <li>• COMJ 270</li> <li>• Work on theme courses</li> <li>• Work on/finish Political Participation, Ethics, and Place requirements</li> </ul>	<ul style="list-style-type: none"> <li>• COMJ 560, Junior Seminar</li> <li>• COMJ 460, Community Organizing</li> <li>• Work on theme courses</li> <li>• Finish Political Participation, Ethics, and Place requirements</li> </ul>
<b>Fourth Year</b>	<ul style="list-style-type: none"> <li>• COMJ 620</li> <li>• Continue working on/finish theme courses</li> </ul>	<ul style="list-style-type: none"> <li>• COMJ 620 (if not already taken)</li> <li>• Continue working on/finish theme courses</li> </ul>

## Computer Science (First Year and Transfer)

**Area of Study:** Mathematics and Natural Sciences

**Major/Minor Exclusions:**

A student majoring in Computer Science may not double major in Integrative Informatics.

A student minoring in Computer Science may not major in Integrative Informatics.

## **Introduction**

The details about the Computer Science Major and Minor described in detail at the following web site:  
<https://www.cs.allegheny.edu/teaching/bulletin/>

The aforementioned web site is regularly updated. However, the details about the old curriculum (pre-Fall 2018), which included both the Computer Science and Applied Computing Majors, is still available at this site: <https://www.cs.allegheny.edu/teaching/bulletin/archive/>

## **Laptops**

To ensure both that the software development experience in a Computer Science course closely mirrors real-world practice and that we most effectively use the classroom furniture, we now invite all students to use their own laptops during class, laboratory, and practical sessions. Desktop computers are not available in the teaching and lab spaces in Alden Hall.

To ensure that every student has a laptop that will run the required software to complete work in computer science course, we encourage all students registered for computer sciences courses to visit the following web site to learn about department approved laptops:<https://www.cs.allegheny.edu/resources/laptops/>

The department lends laptops to students who do not have an appropriate laptop for computer science work. To ensure that there are sufficient laptops for students to use when completing their class work, students enrolled in computer science courses are asked to complete a survey sent by the department prior to the start of each semester. Students will receive an invitation to complete this survey from either the Chair of Computer Science or from the instructor who is teaching their Computer Science course.

## **Enrollment in Computer Science Courses for Fall 2022**

### **Introductory Courses (CMPSC 100, 101, and 102)**

All three introductory courses are required for a computer science major.

#### **CMPSC 100, Computational Expression:**

We offer one section of CMPSC 100, Computational Expression, in Fall 2022. This is the courses that most students should take as their first course in Computer Science. If the class fills, entrance advisers should contact the instructor, Doug Luman ([dluman@allegheny.edu](mailto:dluman@allegheny.edu)). The instructor may add students to this course beyond the set limit if the room capacity and software and hardware availability permit doing so.

#### **CMPSC 101, Computational Expression:**

Interested students and their entrance advisers can contact Gregory Kapfhammer ([gkapfham@allegheny.edu](mailto:gkapfham@allegheny.edu)) if they have taken an AP Computer Science Examination (and scored a 3, 4, or 5) or if they have some background knowledge in programming in Java or Python. The instructor may add students to this course beyond the set limit if the room capacity and software and hardware availability permit doing so.



**CMPS 102, Discrete Structures:**

Interested students and their entrance advisors can contact Oliver Bonham-Carter (obonhamcarter@allegheny.edu) if they have taken an AP Computer Science Examination (and scored a 3, 4, or 5) or if they have some background knowledge in Java or Python. The instructor may add students to this course beyond the set limit if the room capacity and software and hardware availability permit doing so.

**Programming Languages Used in the Introductory Courses in 2020-2021 Academic Year:**

- CMPS 100: Python
- CMPS 101: Python
- CMPS 102: Python

**Fundamentals Courses (CMPS 200 and 203)**

CMPS 200 and 20e are taught during the Fall 2022 semester. All of the fundamentals courses have two 100-level Computer Science courses as a prerequisite and are thus not ideal courses for incoming students unless they have taken prior courses in Computer Science. If a student wants to enroll in one or both of these classes, they should contact Department Chair Janyl Jumadinova (jjumadinova@allegheny.edu) as recent staffing changes may require the cancellation or rescheduling of at least one of these courses. However, the Department of Computer Science plans to offer both of these courses again during the Fall 2023 semester.

**Programming Languages Used in the Fundamentals Courses:**

- CMPS 200: C and Assembly
- CMPS 20e: Python

**Applications Courses (CMPS 300 and 311)**

These courses are unlikely to be suitable for incoming first-year students. However, they may be a good fit for incoming transfer students. Students interested in CMPS 300 can contact Oliver Bonham-Carter (obonhamcarter@allegheny.edu) and students interested in 311 should contact Janyl Jumadinova (jjumadinova@allegheny.edu) to see if they can be added to these courses. Students should also contact Department Chair Janyl Jumadinova (jjumadinova@allegheny.edu) as recent staffing changes may require the cancellation or rescheduling of at least one of these courses.

**Programming Languages Used in the Application Courses:**

- CMPS 300: Python and R
- CMPS 311: Python, Java, sometimes C/C++

**Software Innovation Course (CMPS 480):**

The prerequisite for CMPS 480 is CMPS 101 and thus this course is unlikely to be suitable for most of the incoming first-year students. However, certain students with prior computer science experience who

want to learn how to effectively develop and publicly release innovative software are encouraged to consider enrolling in this course. Since the class is currently full and will be over-enrolled, interested students should contact Doug Luman (dluman@allegheny.edu) to see if they can be added to the course. The follow-on Software Innovation course, CMPSC 481, will be taught during the Spring 2023 semester. The Department of Computer Science plans to offer CMPSC 480 again during the Fall 2023 semester.

### **Programming Languages Used in the Software Innovation Course:**

- CMPSC 480: Java, Python, and Markdown

### **Meeting Student Demand for Computer Science Courses:**

If student interest goes beyond the room capacity in which a course meets, we will collaborate with the Provost, Registrar, entrance advisers, and incoming students to ensure that, whenever possible, students can take an introductory course in their first or second semester. For instance, if a certain course is heavily over-enrolled then it may be possible to swap its room with another course at the same time that is full or lightly over-enrolled. Alternatively, we will consider student proposals for course substitutions that enable progress towards the completion of a degree requirement. Additionally, with the assistance of entrance advisers, we can record the names of students who are not able to add a computer science course in their first semester and reserve them a spot in the course when it is offered next time. Please contact a course instructor and the chair for assistance. The faculty in Computer Science have already planned a tentative schedule of course offerings up to the Spring 2024 semester. Please contact the chair for read-only access to this Google Spreadsheet.

### **Important Notes About the Major in Computer Science**

- The major in Computer Science requires the successful completion of at least 52 semester hours in Computer Science. To graduate with a major in Computer Science, a student must have an earned GPA of at least 2.0 in the required Computer Science and other courses presented for the major. For the new Computer Science major, at most one of CMPSC 100 or 102 may be presented for the major on a Credit/No Credit grade basis. Students who have questions about calculating their major GPA can contact their academic adviser or the chair in Computer Science.
- Students who are interested in Mathematics and/or planning to attend graduate school in Computer Science are strongly encouraged to take Math 151 early in their academic career. In consultation with their academic adviser, students who major in Computer Science may incorporate Mathematics courses into their study through the following substitutions:
  - Math 205 as a substitute for the combination of CMPSC 480 and CMPSC 481
  - Math 320, Math 330, Math 345, or Math 370 as a substitute for one of the required 300-level CMPSC courses
- For students who matriculated before Fall 2016, all Computer Science courses with a laboratory count as a laboratory course in the Natural Sciences for the purpose of satisfying the College distribution requirement. Starting with the Fall 2018 semester, all four-credit Computer Science courses have a laboratory session that meets once per week in the afternoon. The Academic Bulletin contains details about the distribution requirements for each Computer Science course.

- The Application Courses in Computer Science are divided into two distinct categories. Please note that students are required to take at least one course from each of the following categories:
  - Analyze and Visualize:
    - CMPSC 300 - Bioinformatics
    - CMPSC 301 - Data Analytics
    - CMPSC 302 - Web Development
  - Implement and Integrate:
    - CMPSC 310 - Artificial Intelligence
    - CMPSC 311 - Robotic Agents
    - CMPSC 312 - Database Systems
- CMPSC 300 is the only course in the "Analyze and Visualize" category that has a prerequisite that is not FS 102 or permission of the instructor. All of the courses in the "Implement and Integrate" category have CMPSC 101 or CMPSC 102 as the prerequisite.

Additional, regularly updated, details about the Computer Science major are always available at:  
<https://www.cs.allegheny.edu/teaching/bulletin/>

### Suggested Schedule for a Major in Computer Science

We do not recommend taking more than two computer science courses with a lab (with an exception of the Junior seminar) in one semester. Taking an Innovation Seminar, in addition to two 100/200/300/400 computer science courses with a lab is appropriate.

	Fall Academic Semester	Spring Academic Semester
First Year	CMPSC 100	CMPSC 101 CMPSC 102
Sophomore	Two of the following: CMPSC 200 CMPSC 201 CMPSC 3XX	Two of the Following: CMPSC 202 CMPSC 203 CMPSC 3XX
Junior	One or two CMPSC 200/300 courses (take at most two) CMPSC 480 (2 credits)	One or two CMPSC 200/300 courses (take at most two) CMPSC 580

		CMPSC 481 (2 credits)
Senior	CMPSC 4XX CMPSC 600	CMPSC 610

Students who declare a Computer Science major are encouraged to regularly meet with their academic adviser to verify that they are making suitable progress towards the completion of their degree requirements. To ensure that they are the most competitive for either a position in industry or admission to graduate school, Computer Science majors should, after consulting with their academic adviser, consider taking at least one additional Applications course or one additional Advanced course.

### **Minors in Computer Science**

The minor in Computer Science requires the completion of at least 20 semester hours of coursework in Computer Science including:

- CMPSC 100 - Computational Expression Credits: 4 AND
- CMPSC 101 - Data Abstraction Credits: 4 OR
- CMPSC 102 - Discrete Structures Credits: 4

A minor must also include an additional twelve semester credit hours of Computer Science courses at or above the 200 level. When advising students, please remember that at most one of CMPSC 100 or 102 may be presented for the major on a Credit/No Credit grade basis. Additionally, students who minor in Computer Science may not major in Integrative Informatics.

The Computer Science minor has the following minor course sequences in a wide variety of areas:

### **Computer Languages**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 101 - Data Abstraction (Credits: 4)
- CMPSC 201 - Programming Languages (Credits: 4)
- CMPSC 312 - Database Systems (Credits: 4)
- CMPSC 403 - Computer Security (Credits: 4)

### **Computer Security**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 102 - Discrete Structures (Credits: 4)
- CMPSC 200 - Computer Organization (Credits: 4)
- CMPSC 201 - Programming Languages (Credits: 4)

- CMPSC 403 - Computer Security (Credits: 4)

### **Computer Systems**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 101 - Data Abstraction (Credits: 4)
- CMPSC 102 - Discrete Structures (Credits: 4)
- CMPSC 200 - Computer Organization (Credits: 4)
- CMPSC 400 - Operating Systems (Credits: 4)

### **Data Analysis**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 102 - Discrete Structures (Credits: 4)
- CMPSC 202 - Algorithm Analysis (Credits: 4)
- CMPSC 300 - Bioinformatics (Credits: 4)
- CMPSC 301 - Data Analytics (Credits: 4)

### **Data Management**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 101 - Data Abstraction (Credits: 4)
- CMPSC 102 - Discrete Structures (Credits: 4)
- CMPSC 201 - Programming Languages (Credits: 4)
- CMPSC 312 - Database Systems (Credits: 4)

### **Distributed Computing**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 102 - Discrete Structures (Credits: 4)
- CMPSC 202 - Algorithm Analysis (Credits: 4)
- CMPSC 302 - Web Development (Credits: 4)
- CMPSC 402 - Cloud Computing (Credits: 4)

### **Intelligent Systems**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 101 - Data Abstraction (Credits: 4)
- CMPSC 102 - Discrete Structures (Credits: 4)
- CMPSC 202 - Algorithm Analysis (Credits: 4)
- CMPSC 310 - Artificial Intelligence (Credits: 4)

### **Robotic Systems**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 101 - Data Abstraction (Credits: 4)

- CMPSC 201 - Programming Languages (Credits: 4)
- CMPSC 310 - Artificial Intelligence (Credits: 4)
- CMPSC 311 - Robotic Agents (Credits: 4)

### **Software Development**

- CMPSC 100 - Computational Expression (Credits: 4)
- CMPSC 101 - Data Abstraction (Credits: 4)
- CMPSC 201 - Programming Languages (Credits: 4)
- CMPSC 203 - Software Engineering (Credits: 4)
- CMPSC 480 - Software Innovation I (Credits: 2)
- CMPSC 481 - Software Innovation II (Credits: 2)

### **Web Design**

1. CMPSC 100 - Computational Expression (Credits: 4)
2. CMPSC 101 - Data Abstraction (Credits: 4)
3. CMPSC 203 - Software Engineering (Credits: 4)
4. CMPSC 301 - Data Analytics (Credits: 4)
5. CMPSC 302 - Web Development (Credits: 4)

### **Cooperative Programs**

Students are encouraged to read the sections of the Academic Bulletin concerning cooperative opportunities such as the Carnegie Mellon's (CMU's) Accelerated Master's Program in Information Systems Management or one of the 3-2 engineering programs. It is likely that participation in such academic programs will require a more intense program of study during the first three years of study.

### **Computer Science Learning Outcomes**

Students who successfully complete either a major or a minor in the Computer Science are expected to demonstrate the successful attainment of learning outcomes in each of the following categories:

#### **Introduction:**

1. Understands the basic and practical foundations of computer science (e.g., algorithms, data types, conditional logic, recursion, procedural programming concepts, object-oriented programming principles);
2. Knows how to use standard development tools to implement software solutions to problems.

#### **Fundamentals:**

1. Can design, implement, evaluate, improve, and document an algorithmic solution to a problem;
2. Understands the mutually beneficial connections between (i) computer hardware and software and (ii) theoretical computer science and practical software development.

**Applications:**

- 1. Understands the basics of application areas such as data analytics, data management, artificial intelligence, and web development;
- 2. Can apply key concepts from these application areas to formulate and solve problems and evaluate solutions implemented as computer programs.

**Advanced:**

- 1. Understands and can extend advanced concepts in areas such as computer security, operating systems, and cloud computing;
- 2. Knows how to apply key ideas from these advanced topics to formulate and solve problems and evaluate solutions implemented as complete, efficient, and effective computer systems.

**Independent Research:**

- 1. Demonstrates critical thinking abilities and effective written and oral communication skills;
- 2. Can identify, analyze, and use sources in both the technical and research literature.

**Professional Development:**

Understands how to work in a team and evidences the willingness to commit to lifelong learning.

## Information for Transfer Students

### Three Year Computer Science Academic Plan

<b>Transferring after one year</b>	
<p>We expect students transferring to Allegheny after attending one year at another institution may have one introductory course; in some cases, they may also be transferring in a second or third introductory course and/or a 300-level course. We do not recommend taking more than two computer science courses with a lab (with an exception of the Junior Seminar) in one semester. Taking an Innovation Seminar, in addition to two 100/200/300/400 computer science courses with a lab is appropriate.</p> <p>Below you will find a roadmap of the Computer Science major and minor requirements as you make progress towards your degree at Allegheny College</p>	
	<b>MAJORS</b>
	<b>MINORS</b>

<p><b>Year 1 at Allegheny</b></p>	<ul style="list-style-type: none"> <li>● Complete remaining <b>CMPSC 100-level</b> introductory courses if necessary (majors need 3: CMPSC 100, 101, and 102)</li> <li>● Take 1-2 <b>CMPSC 200-level</b> course(s)</li> <li>● Optionally, take 1 <b>CMPSC 300-level</b> course</li> </ul>	<ul style="list-style-type: none"> <li>● Complete <b>CMPSC 100-level</b> introductory course if necessary (minors need 2: CMPSC 100 and CMPSC 101 or 102)</li> <li>● Take 1 additional course at <b>CMPSC 200/300-level</b></li> </ul>
<p><b>Year 2 at Allegheny</b></p>	<ul style="list-style-type: none"> <li>● Take 2-3 <b>CMPSC 200-level</b> courses</li> <li>● Take 1-2 <b>CMPSC 300-level</b> courses (majors need 2, one in each category)</li> <li>● Take <b>Innovation Seminars</b> (CMPSC 480 in the fall semester and CMPSC 481 in the spring semester)</li> <li>● Enroll in <b>CMPSC 580</b>, Junior Seminar (spring semester only)</li> </ul>	<ul style="list-style-type: none"> <li>● Take 1-2 <b>CMPSC 200/300/400-level</b> courses (minors need 12 credits at or above 200-level)</li> </ul>
<p><b>Year 3 at Allegheny</b></p>	<ul style="list-style-type: none"> <li>● Complete remaining <b>CMPSC 200/300-level</b> courses if necessary</li> <li>● Take a <b>CMPSC 400-level</b> Advanced course in the fall semester (only offered in the fall)</li> <li>● Take <b>CMPSC 600</b>, Senior Thesis I in the fall semester</li> <li>● Take <b>CMPSC 610</b>, Senior Thesis II in the spring semester</li> <li>● Take any remaining CMPSC courses to reach major requirement of <b>52 credits</b></li> </ul>	<ul style="list-style-type: none"> <li>● Take any remaining CMPSC courses to reach minor requirement of <b>20 credits</b></li> </ul>

**Two Year Computer Science Academic Plan**

**Transferring after two years**



We expect students transferring to Allegheny after attending two years at another institution may have at least two introductory courses and may also be transferring in a 200-level and/or a 300-level course. WE do not recommend taking more than two computer science courses with a lab (with an exception of the Junior Seminar) in one semester. Taking an Innovation Seminar, in addition to two 100/200/300/400 computer science courses with a lab is appropriate.

Below you will find a road map of the Computer Science major and minor requirements as you make progress toward your degree at Allegheny College.

	<b>MAJORS</b>	<b>MINORS</b>
<b>Year 1 at Allegheny</b>	<ul style="list-style-type: none"> <li>• Complete remaining <i>CMPSC 100-level</i> introductory courses if necessary in the first semester (majors need 3: CMPSC 100, 101, and 102)</li> <li>• Take 2-3 <b>CMPSC 200-level</b> courses</li> <li>• Optionally, take 1 <b>CMPSC 300-level</b> course</li> <li>• Enroll in <b>CMPSC 580</b>, Junior Seminar (spring semester only)</li> </ul>	<ul style="list-style-type: none"> <li>• Complete <b>CMPSC 100-level</b> introductory course if necessary (minors need 2: CMPSC 100 and CMPSC 101 or 102)</li> <li>• Take 1-2 additional courses at the <b>CMPSC 200/300-level</b></li> </ul>
<b>Year 2 at Allegheny</b>	<ul style="list-style-type: none"> <li>• Take 1-2 <b>CMPSC 200-level</b> courses</li> <li>• Take 1-2 <b>CMPSC 300-level</b> courses (majors need 2, one in each category)</li> <li>• Take <b>Innovation Seminars</b> (CMPSC 480 in the fall semester and CMPSC 481 in the spring semester)</li> <li>• Take a <b>CMPSC 400-level</b> Advanced course in the fall semester (only offered in the fall)</li> <li>• Take <b>CMPSC 600</b>, Senior Thesis I in the fall semester</li> <li>• Take <b>CMPSC 610</b>, Senior Thesis II in the spring semester</li> <li>• Take any remaining CMPSC courses to reach major requirement of <b>52 credits</b></li> </ul>	<ul style="list-style-type: none"> <li>• Take 1-2 <b>CMPSC 200/300/400-level</b> courses (minors need 12 credits at or above the 200-level)</li> <li>• Take any remaining CMPSC courses to reach minor requirement of <b>20 credits</b></li> </ul>

Issues to consider for transfer credits:

- A course from another institution is considered for transfer for all courses in computer science except for the Software Innovation seminars, Junior seminar and senior thesis courses. Transfer courses will be applied to one or more computer science categories on a case-by-case basis.
- It is common for the similar sounding application courses to have varying degrees of "depth" across different institutions as evident by the varying or lack of prerequisites and topics covered. Transfer credit is accepted only for courses at approximately the same level of topic "depth" as the Allegheny College courses.
- In addition to computer science, transfer credit is accepted from programs related to computer science such as information science and information technology as long as the course to be transferred aligns with the computer science course at Allegheny College and includes a significant programming/software development component.
- The most common courses that students transfer to Allegheny College are at the introductory level: CMPSC 100 and 101.
- All computer science courses use version control software (Git), continuous integration (GitHub Actions) and most courses beyond CMPSC 100 use a container-based system (Docker). Transfer students unfamiliar with these technologies should reach out to the Chair of the department to be enrolled in a short course teaching these skills.
- All computer science introductory courses at Allegheny College are taught in Python programming languages. Transfer students unfamiliar with Python should reach out to the Chair of the department to receive adequate support.

## Dance and Movement Studies

**Area of Study:** Visual and Performing Arts

Now housed in Communication, Film, and Theatre

**When advising a student interested in Dance Studies, please note:**

- All students take a common core of dance courses including:
  - DMS 100 – Principles of Movement (2 credits)
  - DMS 370 – Creative Processes (4 credits)
  - FSDMS 201 – Dance: Ritual of Experience (4 credits)
- Students choose one additional four-credit course from the following electives:
  - INTDS 312 – The Neuroscience of Dance and Movement
  - DMS 470 – History of Contemporary Dance
- In addition, Dance Minors take at least twelve credits of practice courses. Students are encouraged to seek advice from Dance and Movement Studies Faculty in selecting practice courses that suit their interests and goals.
- Participation is required in at least one presentation or performance sponsored by the Allegheny Dance and Movement Studies Program.
- The minor requires a minimum of 26 credits.

Suggested Schedule for the Minor in Dance and Movement Studies: *Please note this is the SUGGESTED path of study. There are many time lines that are possible to complete this minor.*

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)	Either Semester when Offered
First Year	FS 101	FS 102	DMS 100 or DMS electives
Sophomore	DMS 370	FSDMS 201	DMS electives DMS 100
Junior	DMS 370 (if not already taken)		DMS electives Upper Level Elective
Senior			DMS electives

## Economics (First Year and Transfer)

**Area of Study:** Social and Behavioral Science

### Major/Minor Exclusions:

A student majoring in Economics may not double major in Business.

A student minoring in Economics may not major in Business.

The Economics major consists of a core of six required courses (two each in Macroeconomics, Microeconomics, and Statistics), four elective courses (two at the 200 level and two at the 400 level), a seminar (taken 2nd semester junior or first semester senior year) and the senior project (taken the semester after the seminar).

The recommended schedule for most students is to take Introductory Microeconomics (ECON 100) and Introductory Macroeconomics (ECON 101) during their first year and Microeconomic Theory (ECON 200), Macroeconomic Theory (ECON 201) and Statistics (ECON 202 and 203) beginning their sophomore year. It is recommended that this group of six core courses is completed by the end of the first semester junior year.

When advising a student interested in Economics, please note:

- The order in which ECON 100 and 101 are taken does not matter. The same is true for ECON 200 and 201.

- MATH 140 or 151 is a prerequisite to ECON 200, 201, and 202 and should be taken First year.
- Courses numbered 011 or 010 do not count towards the major or minor.
- ECON 190 and 226-286 are sophomore-level electives and can be taken without ECON 200-203.
- FSECO201 can substitute for a 200-level elective.
- All economics majors take an ECON 570-580 level seminar in their first semester senior year or second semester junior year. They complete their senior projects the following semester. Most students do their senior projects under the supervision of their seminar instructor.
- There is no minor in Business.
- Students cannot double major in Business and Economics.
- When choosing between the Economics and Business majors, students should consider the following:
  - There is a lot of overlap between the two majors, so for most students, there is no bad choice. Generations of Allegheny alumni have gone into every field of business after majoring in Economics, English, Philosophy, Political Science, etc.
  - The Economics major requires more of the core Economics courses. The Business major requires fewer core Economics courses, but more courses overall.
    - The Economics major requires 12 courses plus the math prerequisite. The Business major requires 13 courses plus the math prerequisite.
    - Business majors are only required to take one of the theory courses (ECON 200 or 201) and only the first Statistics course (ECON 202 but not ECON 203). Students who are interested in developing stronger quantitative skills, for example students who want to go into the fields of economics, finance, or data analytics, should consider majoring in economics.
    - The Business major requires more Business classes, such as Accounting, Introductory and Advanced Business Economics, Business Ethics, and Business Communication. Business majors are introduced to concepts in business-related fields, such as Human Resource Management, Accounting, and Marketing. Students who are interested in studying a broad set of business-related topics should consider majoring in business.

Sample Schedule for an **Economics Major placing into MATH 151:**

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
First-Year	FS 101 ECON 101 MATH 151	FS 102 ECON 100
Sophomore	ECON 200	ECON 202

	FSECO 201	ECON 200-level Elective
Junior	ECON 201 ECON 203	ECON 400-level Elective
Senior	ECON 570-580 ECON 400-level Elective	ECON 620

Sample Schedule for an **Economics Major placing into MATH 151 and studying abroad:**

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
First-Year	FS 101 ECON 100 MATH 151	FS 102 ECON 101
Sophomore	ECON 200 ECON 202 FSECO 201	ECON 201 ECON 203
Junior	Study Abroad. Transfer back one 200-level economics elective plus three non-economic classes.	ECON 400-level Elective
Senior	ECON 570-580 ECON 400-level Elective	ECON 620

Sample Schedule for an **Economics Major starting late and placing into MATH 140:**

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
First-Year	FS 101	FS 102
Sophomore	ECON 100 ECON 101 MATH 140	ECON 200 ECON 200-level Elective ECON 200-level Elective
Junior	ECON 201 ECON 202	ECON 203 ECON 400-level Elective
Senior	ECON 400-level Elective ECON 570-580	ECON 620

### Minor

Successful completion of at least 24 semester hours: Introductory Microeconomics, Introductory Macroeconomics, Microeconomic Theory or Macroeconomic Theory, and three additional courses numbered 190 or higher.

## Information for Transfer Students

Suggested pathway of an **Economics Major** for a transfer student planning to finish in 3 years. Students are expected to be transferring MATH 140 or 151, ECON 100 and 101.

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
<b>Sophomore</b>	ECON 200 ECON 202 ECON 200-level elective or minor course	ECON 201 ECON 203 FSECO 201 ECON 200-level elective or

		minor course
<b>Junior</b>	ECON 400-level elective Elective in minor Study Abroad (if needed)	ECON 400-level elective Elective in minor
<b>Senior</b>	ECON 580, Senior Seminar Courses for distribution and minor	ECON 620, Senior Project Courses for distribution and minor

Suggested pathway of an **Economics Major** for a transfer student planning to finish in 2 years. Students are expected to be transferring MATH 140 or 151, ECON 100, 101, 200, 201, and about two ECON 200-level electives.

	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>
<b>Junior</b>	ECON 202 ECON 400-level elective Elective in minor	ECON 203 FSECO 201 Elective in minor
<b>Senior</b>	ECON 400-level elective ECON 580, Senior Seminar Courses for distribution and minor	ECON 620, Senior Project Courses for distribution and minor

## Education Studies

**Area of Study:** Interdisciplinary Studies

Education Studies is an Interdisciplinary Studies minor designed to prepare students interested in the field of Education. As an interdisciplinary studies minor, Education Studies may be combined with any other Major program in the curriculum.

**When advising these students, please note:**

Education Studies is a 24-credit minor that requires the following:

- EDUC 100: Introduction to Education Studies
- A Culture & Education, Practice, or Policy ("CEPP") course (check the 2022-23 *Academic Bulletin* for the list)
- EDUC 543 and 544: Internship Seminar (2 credits each; designed to be taken in consecutive semesters. Both courses must be taken)
- Three Electives (12 credits) from the following list. Note that one must be at the 300-level:
  - EDUC 215: Foundations of Special Education
  - EDUC 216: Teaching English Language Learners
  - EDUC/COMJ 310: Multicultural Education
  - EDUC 320: Educational Tests and Measures
  - EDUC 325: Education Methods and Design
  - ENVSC 250: Environmental Education
  - MATH 135: Elementary School Mathematics
  - PSYCH 106: Educational Psychology
  - RELST 225: Global Religious Education

*(Courses marked with an asterisk have a prerequisite)*

*Please note:*

- *EDUC 100 is not a prerequisite for ENVSC 250, MATH 135, and PSYCH 106*
- A student's choice of electives will be shaped by his/her post-graduate plans (that is, whether the student is pursuing early childhood education, elementary education, secondary education, or education policy).
- **NOTE: we have reserved seats in EDUC 100 (in both sections) for incoming first-year students. If necessary, we will open a Spring '23 section for first-year students considering Education Studies.**

Suggested Schedule for the Education Studies Minor:

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)	Notes
First Year	EDUC 100 or CE/P/P Requirement	EDUC 100 or Elective	EDUC 100 may also be taken in the sophomore year
Sophomore	Elective	Elective	



Junior	EDUC 543	EDUC 544	Take in consecutive semesters (can also be taken in senior year)
Senior	300-level Elective		300-level elective may be taken at any time after completion of EDUC 100

### **Important: Teacher Preparation Programs (4-1)**

Allegheny students interested in pursuing a career in education can earn teacher certification and a Master's degree at one of Allegheny's partner institutions University of Pittsburgh, or Xavier University (Cincinnati, OH), or at any of a number of 1-year masters/certification programs across the country. (Previous graduates have attended the University of Michigan, UPenn, Ohio State, and The University of Chicago, to name a few.) In preparation for these programs, students complete four years at Allegheny with a major and a minor in academic disciplines and then complete their teacher preparation at the graduate level at one of these graduate programs. Applicants to the programs must maintain a minimum overall grade point average while at Allegheny and meet the admission requirements of each graduate school. **Thus, a student may need to complete additional coursework while at Allegheny to fulfill those admission requirements.** Students who are interested in any of these programs should contact Susan Slote, Education Studies Program Director, early in their academic careers for information about graduate institution requirements. For additional advising in Education Studies, students should also contact Susan Slote.

## **Energy and Society**

**Area of Study:** Interdisciplinary Studies

Now housed in Environmental Science & Sustainability

The Energy and Society minor is an Interdisciplinary Studies minor. Students may choose any major to satisfy the college requirement that the major and minor be in different divisions.

Students who are interested in the following topics may be good candidates in pursuing an Energy and Society minor:

- Natural resources (energy, water, metals, etc.)
- Sustainability
- Climate change
- Domestic and international political systems
- Economics of energy resources (fossil fuels, nuclear, and renewables)
- Community, ethics, and social justice
- Global health and well-being

The Energy and Society minor consists of 20 credit hours with three required courses and a minimum of eight elective credit hours. It is recommended that students begin by taking ENERG 105: Introduction to Energy and Society. ENERG 105 provides a broad overview of society's energy systems and allows a student to get a feel for the field of energy, and has distribution tags of Quantitative Reasoning (QR) and Social Behavior and Institutions (SB).

For future course planning purposes, it should be noted that two of the foundation courses for the minor (ENERG 105 and ENVSC 385) will be offered only one time per academic year. The required capstone course, ENERG 485, will be offered on an alternate year basis. Both ENVSC 385 and ENERG 485 have laboratory sections associated with them, so please have students plan their schedules to accommodate those lab sections.

Elective courses related to the minor are in areas of Ethics and Social Justice, Communication, Economic Systems, and Political Systems. Students may use a credit-bearing internship to fulfill up to 4 credit hours of their 8 credit hour elective requirement.

## English (First Year and Transfer)

**Area of Study:** Languages, Literature, and Culture

**When advising a student interested in English, please note:**

English 110 **-or-** any of the new English 111-118 Literature And... courses are a prerequisite for all creative writing courses at and above the 200-level and all literature courses at and above the 300-level.

**The new Literature And... courses are a new addition change for AY 2019-2020**

- The new courses (111-114) should be seen as curricularly-analogous to English 110.
  - 111: Literature and the Arts
  - 112: Literature and the Body
  - 113: Literature and Race
  - 114: Literature and Business
  - 115: Literature and Sexuality
  - 116: Literature and the Environment
  - 117: Literature and Science
  - 118: Literature and the Mind
- As with English 110, the new "Literature And" series is designed to be comprised of courses focused on introductory College-level analysis of literature (poetry, fiction, and drama).
- Each course in the "Literature And" series is oriented around learning and practicing the "close reading" skills of intensive literary study. In this, they are identical in mode of analysis to English 110.
- The title of each course in the series is intended to reflect the thematic focus of the section. The titles do not presume the need for any particular disciplinary background as a pre-requisite for each course, nor do they signal that these courses will address non-literary disciplinary knowledge. That's to say, "Literature and Business" will be the close study of literature that

relates to business — broadly defined — but that knowledge of business is unnecessary for the class, and the class will not convey any disciplinary content of business.

- Our intention in this new series is twofold: A) To offer more discrete themes to signal to students not-typically inclined to see literature as related to their prospective fields of study how, indeed, literature intersects with many categories of knowledge; B) To demonstrate the potential value in students taking more than one general introductory course in literature. A student who so chooses could take more than one course in the 100-level
- The classes are not sequential; 110 is not a pre-requisite for any other course at this level.
- Any of these classes can substitute for the 110 pre-requisite for upper level courses in English.
- English 110 remains in the curriculum, for students interested in a non-thematically organized class; however, it is important to note that, in practice, 110s usually do have an unstated theme.

#### OVERALL NOTES IN ENGLISH

- Students confident in their literary criticism skills may take English 230, 231, 232, 233, 235, or 236 their first semester at Allegheny. As these are large classes that cover much more material than English 110, students who have any doubts about their ability to analyze literature should take English 110 or FSENG 201 first.
- Students may also begin the major by taking a studies course (230, 231, 232, 233, 235, 236)
- 300-level courses may be appropriate for sophomore if they had at least 2 previous English courses.
- **Emphasis: The department now offers two emphases, Literature and Creative Writing.** Each emphasis requires a common core of literature courses, along with other specific requirements. If one of your first year advisees wishes to begin one of these avenues, then they should begin with English 110 or one of the studies courses (230-235). Prospective majors may begin study in an exploratory fashion, without deciding on one of the two emphases at first, since introductory classes overlap. Those who wish to pursue Creative Writing however are *strongly encouraged* to complete the 100-level pre-req in their first semester, so they are eligible to enroll in a writing workshop in their second semester.
- **For students interested in the Pitt. M.A.T. program: Children's Literature (English 350) is only offered every other year.** Our old English 385 (the Cultural History of the English Language) is no longer part of the curriculum; some iterations of our English 360 (Language, Theory, and Practice) will offer content similar to the old English 385. Students who require these courses for later admission to an education program should take 350 the first chance they get. For example, if a rising junior intending to enter the Pitt program sees that English 350 is offered that next year, the student needs to register for it. It will not be offered their senior year, and the department cannot offer independent study versions of either Children's Literature or the History of the English Language course for students who might have missed a chance to take it as a class.
- Options for students looking for help in writing:
  - *Work with a writing consultant.* If one of your advisees is particularly anxious about his/her writing skills or if you have concerns about the quality of the student's prose, please encourage him/her to sign up for a matched writing consultant through the Learning Commons. The consultant and the student will meet weekly to help strengthen

the writer's writing over the course of the semester and to address any general areas in which the writer would like to improve

- Students may also opt to meet one-to-one with trained student writing consultants at the Learning Commons. Students can make an appointment online or drop in Sunday-Thursday 3-5 p.m. and 7-11 p.m.
- *Take English 110: Introduction to Literary Studies or one of the 111-118 Literature and... courses.* While not composition courses, these classes will help students get more closely attuned to the subtleties of language and will give them lots of practice writing.

Questions: Contact Alexis Hart the Director of Writing, at ext. 6296, or, Jennie Votava English Dept. Chair, at 4334.

### Pathways for the English Major

*Students may choose from one of two emphases in the English Major: Creative Writing or Literature. Each requires a total of 44 credits.*

#### English--Emphasis in Creative Writing major. 4 year sample sequence.

	Fall	Spring
<b>First Year</b>	FS 101 One of ENGL 110-118 One of ENGL 230-236	FS 102 One of ENGL 205, 206, 120
<b>Second Year</b>	FSENG 201 (Recommended) Second of ENGL 230-236	Second of ENGL 205, 206, 210 First ENGL 300-level Literature
<b>Third Year</b>	Second ENGL 300-level Literature Advanced Workshop	Junior Seminar
<b>Fourth Year</b>	Senior Project	ENGL Elective

#### English--Emphasis in Literature major. 4 year sample.

	<b>Fall</b>	<b>Spring</b>
<b>First Year</b>	FS 101 One of ENGL 110-118	FS 102 One of ENGL 230-236
<b>Second Year</b>	FSENG 201 (Recommended) Second of ENGL 230-236	Third of ENGL 230-236 First ENGL 300-level Literature
<b>Third Year</b>	Second ENGL 300-level Literature ENGL 420	Junior Seminar
<b>Fourth Year</b>	First ENGL Elective Second ENGL Elective	Senior Project

The Department of English offers Minors in English, Writing, and Environmental Writing. Please see *Academic Bulletin* for specifics for each.

## Information for Transfer Students

### Transfer Scenarios

Note: the most likely classes to be accepted for direct transfer credit are English 110, 230, and 231.

### English--Emphasis in Creative Writing Major. 3 year sample sequence.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Second Year</b>	One of ENGL 100-118 <i>transferred in or taken first semester</i> FS 201 (FSENG 201 Recommended) <i>first semester</i> First of ENGL 230-236 <i>transferred in or taken first semester</i>	One of ENGL 205, 206, 210 Second of ENGL 230-236 First ENGL 300-level Literature

<b>Third Year</b>	Second of ENGL 205, 206, 210 Second ENGL 300-level Literature	Junior Seminar
<b>Fourth Year</b>	Advanced Workshop ENGL Elective	Senior Project

**English--Emphasis in Literature Major. 3 year sample sequence.**

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Second Year</b>	One of ENGL 110-118 <i>transferred in or taken first semester</i> FS 201 (FSENG 201 Recommended) <i>first semester</i> First of ENGL 230-236 <i>transferred in or taken first semester</i>	Second of ENGL 230-236 Third of ENGL 230-236 First ENGL 200-level Literature
<b>Third Year</b>	Second ENGL 300-level Literature ENGL 420	Junior Seminar
<b>Fourth Year</b>	First ENGL Elective Second ENGL Elective	Senior Project

## **Environmental Science & Sustainability (First Year and Transfer)**

**Area of Study:** Interdisciplinary Studies

### **Overview**

Students often say they are interested broadly in "the environment" or related topics: environmental science, environmental justice, wildlife, environmental communication or humanities, the outdoors, or sustainability. If that's the case, we strongly suggest that the student take *ENVSC 110 - Intro. to Environmental Science* during the first year, preferably the first semester. There are always spaces reserved for first year and transfer students in *ENVSC 110*. It is much harder to get into this course during the sophomore and junior years and it serves as a prerequisite for many of our upper-level courses.

The ESS department unites many disciplines, allowing students significant flexibility in shaping the major to their interests. However, these pathways often require thoughtful planning in the first two years given prerequisite sequences. This holds for ESS students interested in either natural science pathways (ecology, wildlife management, conservation biology, environmental engineering, agriculture, etc.) or those oriented toward environmental humanities, environmental social sciences, or other environmental focus areas (environmental policy, ecological economics, sustainable development, environmental justice, environmental writing, art and the environment, etc.). ESS majors therefore typically benefit from active planning with ESS professors. We strongly encourage students to meet with an ESS professor during their first semester, before registration in any semester, and to refer to the bulletin for lists of approved courses to meet curricular requirements.

Every ESS major designs a *thematic concentration* based on their interests (i.e., aquatic ecology, ecological economics, environmental justice, environmental writing, food and farming, forestry, sustainable energy). Their concentration is a *cluster of seven courses, of which at least four must be at an upper level, and at least one must have the ENVSC prefix*. Every ESS major also participates in community-based work as part of their ESS major. This work is integrated into the required courses.

When advising a student interested in Environmental Science & Sustainability, please note:

- Off-campus study (EL seminars and study-away) and internships are strongly recommended within the major. Most courses completed during these experiences count toward the major.
- Environmental Science & Sustainability majors develop a thematic concentration in consultation with an advisor in the department, a process that usually begins in the first year. If a student is already interested in a particular area, they should take foundational courses within appropriate departments as early as possible. If students are not yet invested in a particular concentration, please see the model concentrations below for inspiration and meet with an ESS advisor at your earliest convenience.
- The major leads to the Bachelor of Arts or the Bachelor of Science degree (students may elect to receive either based on their area of specialization).

### Environmental Science & Sustainability Pathways

		<p><b>Natural science pathways</b> <i>and</i></p> <p><u>placed in MATH 140</u></p>	<p><b>Natural science pathways</b></p> <p><u>placed in MATH 151</u></p>	<p><b>Environmental humanities,</b> <b>social sciences, et al.</b></p>
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				<b>pathways</b>
<b>First Year</b>	<i>Fall</i>	ENVSC 110  CHEM 119 or MATH 140	ENVSC 110  CHEM 120	ENVSC 110  Foundational course in area of interest
	<i>Spring</i>	ENVSC 110 <i>and/or</i>  CHEM 120	ENVSC 110 <i>and/or</i>  BIO 220	Course in area of interest <i>and/or</i>  Quantitative Skills course
<b>Second Year</b>	<i>Fall</i>	ENVSC 210 <i>and/or</i>  FSENV 201  work with advisor to identify ESS  concentration and relevant courses:  <ul style="list-style-type: none"> <li>● BIO 220/221 sequence</li> <li>● CHEM 122</li> <li>● MATH 141</li> <li>● GEO 109 and/or 110</li> <li>● PHYS 101/102 or 110/120 sequence</li> </ul>	ENVSC 210 <i>and/or</i>  FSENV 201  Work with advisor to identify ESS  concentration and relevant courses:  <ul style="list-style-type: none"> <li>● BIO 221</li> <li>● CHEM 122</li> <li>● MATH 151/152 sequence</li> <li>● GEO 109 and/or 110</li> <li>● PHYS 110/120 sequence</li> </ul>	ENVSC 210 <i>and/or</i>  FSENV 201  Work with advisor to identify ESS  concentration
	<i>Spring</i>	ENVSC 210 <i>and/or</i>  FSENV 201 (if not already taken)  Human and Cultural Connections course	ENVSC 210 <i>and/or</i>  FSENV 201 (if not already taken)  Human and Cultural Connections course	ENVSC 210 <i>and/or</i>  FSENV 201 (if not already taken)  Human and Cultural Connections course
<b>Third</b>	<i>Fall</i>	ENVSC 585		



<b>Year</b>		Human and cultural connections course (if not already taken)
	<i>Spring</i>	ENVSC 585 (if not already taken) Work on concentration courses
<b>Fourth Year</b>	<i>Fall</i>	ENVSC 600 Continue working on/finish concentration courses
	<i>Spring</i>	ENVSC 610 Continue working on/finish concentration courses

### Sample Concentrations in Environmental Science & Sustainability

What might a thematic concentration in ESS look like? Here are a few ideas to help students imagine the possibilities before an advising session. An ESS concentration is a cluster of seven courses, with at least four at the upper level. At least one course in the concentration must have the ENVSC prefix. The other concentration courses can come from any department. Please keep in mind a full concentration is a **cluster of seven courses**, of which at least four must be at an upper level, and at least one must have the ENVSC prefix. *The sample concentrations below are not fixed requirements*, but rather examples to help envision what your concentration might begin to look like.

<b>Are you interested in...?</b>	<i>Then your concentration might include these 4 courses</i>  <b>+ 3 more of your choices:</b>
Energy Policy	ENVSC 105 - Introduction to Energy & Society ENVSC 285 - Quantitative Sustainability ENVSC 380 - Climate and Energy Policy ENVSC 385 - Intro to Sustainable Energy
Environmental Advocacy	COMJ 160 - Foundations of Community and Justice Studies ENVSC 352 - Environmental Justice

	<p>POLSC 348 - Participatory Democracy and Community Organizing</p> <p>WGSS 210 - Social Movements</p>
Environmental Education	<p>EDUC 100 - Introduction to Education Studies</p> <p>EDUC 310 - Multicultural Education</p> <p>ENVSC 250 - Environmental Education</p> <p>PSYCH 106 - Educational Psychology</p>
Environmental GIS Analysis	<p>ENVSC 190 - Computer Mapping Technologies</p> <p>ENVSC 305 - GIS I</p> <p>ENVSC 306 - GIS II</p> <p>ENVSC 375 - Applied Conservation GIS</p>
Food and Farming	<p>ECON 100 - Introduction to Microeconomics</p> <p>ENVSC 230 - Soil to Plate: World Food and Agriculture</p> <p>ENVSC 240 - Small-scale Production Agriculture</p> <p>ENVSC 372 - Judaism, Justice, and Food</p>
Forest Ecology	<p>ENVSC 332 - Forest Ecosystems and Management</p> <p>ENVSC 335 - Conservation Biology</p> <p>ENVSC 370 - Insect Ecology and the Environment</p> <p>HIST 341 - American Environmental History</p>
Wildlife Conservation	<p>BIO 220 - Organismal Physiology/Ecology</p> <p>ENVSC 332 - Forest Ecosystems and Management</p> <p>ENVSC 335 - Conservation Biology</p>

	ENVSC 355 - Field Ecology and Conservation
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## Information for Transfer Students

### Environmental Science & Sustainability Transfer Pathways

		3 Year ESS Program	2 Year ESS Program
<b>Second Year</b>	<i>Fall</i>	ENVSC 110 ESS Human and Cultural Connections course ESS Quantitative Skills course	
	<i>Spring</i>	ENVSC 110 (if not already taken) FSENV 201 <i>and/or</i> ENVSC 210 Work with advisor to identify ESS concentration	
<b>Third Year</b>	<i>Fall</i>	ENVSC 585 ESS Human and Cultural Connections course (if not already taken)	ENVSC 110 and FSENV 201 ESS Human and Cultural Connections <i>and/or</i> Quantitative Skills course
	<i>Spring</i>	ENVSC 585 (if not already taken) Work on concentration courses	ENVSC 210 and ENVSC 585 Work on concentration courses
<b>Fourth Year</b>	<i>Fall</i>	ENVSC 600 Continue working on/finish ESS concentration courses	
	<i>Spring</i>	ENVSC 610	

		Continue working on/finish ESS concentration courses
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# Geology (First Year and Transfer)

**Area of Study:** Mathematics and Natural Sciences

**Discontinued Programs:** Environmental Geology Major, Geology (BA) Major, and Geology (BS) Major (last in 2021-2022 Bulletin)

Now housed in Environmental Science & Sustainability

**Who might want to be a Geo Minor?** Students who tell you they are interested in: watersheds, water quality, energy resources, minerals, climate change, earthquakes, volcanoes, fossils/dinosaurs, oceanography, marine biology, mountains, hiking.

Often times, students will say they are interested broadly in "the environment" or "the outdoors". If that's the case, we usually suggest that the student take Geo 110 (Physical Geology) and ES110 (Intro to Environmental Science). For both Geo 110 and ES110, there are always spaces reserved for first year students, so please encourage students to enroll in this courses their first year! It is much harder to get into the courses during the sophomore and junior years.

**What is the best starting course for a Geo to take?** Geo 110 in their first semester

**For a student who is potentially going to major and minor outside of the natural sciences,** we offer Geo 109 (Geologic Hazards) as a non-lab course that satisfies the SP and QR distribution requirements. Geo 109 is also an approved course for the GHS major/minor and for ESS majors. It's a great course for first year students. Students who want to potentially major or minor in Geo should be advised to take GEO 110 and not GEO 109.

### The Geology Minor requirement 20 credit hours

- Both GEO 110 and GEO 120 are required for the minor
- Students must take 12 credit hours of electives to complete the minor. We suggest that students meet with the Department Chair to create a plan for what those electives should be.

## Information for Transfer Students

The Geology Department welcomes transfer students and will work with them to find the best path to accomplish their wish to pursue a Geo minor.

Three Geology courses that students can potentially transfer in as Allegheny equivalent courses are:

- **Geo 110** (Physical Geology) –Transfer course needs to have 3 hours of lecture and 3 hours
- **Geo 120** (Earth History & Evolution) – Transfer course needs to have 3 hours of lecture and 3 hours of lab
- **Geo 109** (Geologic Hazards)-Transfer course needs to have 3 hours of lecture

Many of the cognate science classes in Math, Chemistry, Biology and/or Physics that transfer in to Allegheny can be used towards a Geology minor.

Other courses (e.g. Introduction to Oceanography, Physical Geography) will transfer in as Geology elective credits. These electives may be able to be used for a Geology minor, and/or Environmental Science & Sustainability major.

## Global Health Studies

**Area of Study:** Interdisciplinary Studies

### Guidance for summer entrance advisors

Students interested in Global Health Studies as either a major or minor should consider the following core class and elective courses in the Dimensions of Global Health. The courses listed here can be taken **without** any prerequisites - a more complete list is provided below under the GHS major description.

Additional advice to position students well for the Global Health Studies major: Start or complete the language requirement during their first year. Complete the Fundamental Science course elective during their first year.

We would also note that **GHS 130** "Introduction to Global Health Studies" is an excellent foundational course for students who have indicated an interest in medicine or health-related careers.

**Core Courses (Area 1):** GHS 130 (Introduction to Global Health Studies)

*NOTE: Ten seats in each section of GHS 130 are reserved for incoming first years*

**Fundamental Science Courses:** BIO 220, BIO 221, ENVSC 110, GEO 109, GEO 110, GHS 223, GHS 228

**Science and the Environment:** Not likely to be able to enroll as first year

**Ethics and Social Responsibility:** COMJ 160, COMM 256, PHIL 140, POLSC 140, POLSC 248, POLSC 280

**Power and Economics:** POLSC 120, POLSC 130, POLSC 242, POLSC 245

**Cultures and Societies:** HIST 277, HIST 280, PHIL 205, WGSS 100, WGSS 211, WGSS 275

**Language:** A modern language course numbered 120 or above, or pre-requisite courses needed to reach the 120 level.

**Note 1 re: Language requirement:** *Students cannot place out of the language requirement. For example, an entering student who tests at the 200-level would take a course at the 200-level*

*following placement test or consultation with the chair of Modern & Classical Languages. Reach out to the Chair of Global Health Studies for specific questions related to this requirement.*

**Note 2 re: Language requirement:** *This must be a modern language (i.e. Latin does not fulfill the requirement) and taught in the target language, not in English (Arabic 250; and German 365 do not fulfill the requirement).*

**Note 3 re: Language requirement:** *American Sign Language (WLC 200) counts, but please be advised that while WLC 100 is readily available, WLC 200 is offered sporadically.*

**Note re: Transfer courses:** *Many courses transfer in at 3-credits. Students may need an additional credit to fulfill the total credits for the major.*

### **NOTE: For Students interested in the Health Professions**

Advisors and students should be aware that completing the Global Health Studies major does **NOT** fulfill the requirements needed for the MCAT or other pre-health profession entrance exams or graduate programs. For example, most pre-health fields require a year of biology, general chemistry, organic chemistry, physics (with the appropriate labs), and English. Students interested in majoring in Global Health Studies, who are also interested in a career in the health professions, should consider choosing a minor (such as BIO or CHEM) that contains many of the pre-health requirements. See the following link for more information on the pre-health requirements: <http://sites.alleggheny.edu/health/>

See details about the GHS Major and GHS Minor, to follow.

### **Description of Global Health Studies Major**

#### **Required Core Courses** (recommended year for taking these courses)

- **GHS 130: Introduction to Global Health** (First year, no later than second year)
- **FSGHS 201: Approaches to Global Health | Sophomore writing seminar** (Second year, preferred that GHS130 is taken before FS GHS 201)
- Two methods classes. Choose from:
  - **GHS 321: Epidemiology** (Second, junior or senior year)
  - **GHS 350: Cultures and Health** (Second, junior or senior year)
  - **GHS 352: Ethnographic Methods** (Second, junior or senior year)
- **GHS 575: Global Health Challenges | Junior Seminar** (junior year)
- **GHS 600: (2 cr) 1<sup>st</sup> semester Global Health Studies senior project** (First semester senior year)
- **GHS 610 (4 cr) 2<sup>nd</sup> semester Global Health Studies senior project** (Second semester senior year)

#### **Fundamental Science Courses**

Take one elective (recommend taking first or second year):

- BIO 220: Organismal Physiology and Ecology (CHEM 120, pre-reqs)

- BIO 221: Genetics, Development, and Evolution (BIO 221, pre-reqs)
- ENVSCS 110: Introduction to Environmental Science
- GEO 109: Geologic Hazards
- GEO 110: Physical Geology
- GHS 223: People & Poisons: Foundations of Public Health Toxicology
- GHS 228: Global Health Data and Visualization

### Dimensions of Global Health Courses

In addition to the Core Courses and Fundamental Science Course, GHS majors must take a minimum of one elective course from each of four primary dimensions of global health: Science and the Environment; Ethics and Social Responsibility; Power and Economics; and Cultures and Society. These elective courses should preferably be completed by the end of the junior year. If a student has a particular focal interest, suggest that they take courses in that area first.

**Note 1 re: Dimensions:** *At least eight credits of work taken to satisfy the "Dimensions of Global Health" requirements above must be at the 300 or 400 level.*

**Note 2 re: Dimensions and transfer courses:** *Many courses transfer in at 3-credits. Students do not need to complete four credits in each dimension, just a minimum of one course. Additional credits to fulfill the total credits for the major can be from another elective in any dimension or general Global Health Studies credits.*

### Science and the Environment:

Take one elective course (Pre-requisites are noted in parentheses):

- BIO 310: Microbiology (BIO 221, FSBIO 201, prereqs)
- BIO 350: Immunology (BIO 221, FSBIO 201, pre-reqs)
- ENVSC 305: Environmental Spatial Analysis (ENVSC 110 prereq)
- ENVSC 321: Ecosystems, Birds, and People (ENVSC 110 prereq)
- BIO 370: Insect Ecology and the Environment (ENVSC 210 or BIO 220, prereqs)
- ENVSC 385: Introduction to Sustainable Energy (ENVSC 110 prereq)
- GHS 223: Peoples and Poisons (\*cannot count for both *Foundational Science and Science and the Environment* elective)
- GHS 228: Global Health Data Visualization (\*cannot count for both *Foundational Science and Science and the Environment* elective)
- GHS 322: Climate and Health (junior / senior status)
- GHS 324: Environmental Health (junior / senior status)
- GHS 425: Global Health Transitions (junior / senior status)
- GEO 330: Climate Change Past & Present (GEO 108/110 or ENVSC 210 prereq)
- GEO 400: Hydrogeology (prereq)
- PSYCH 172: Health Psychology
- PSYCH 360: Health and Psychophysiology (prereq, has co-requisite PSYCH 365)

## **Ethics and Social Responsibility**

Take one elective course (pre-requisite courses noted in parentheses):

- COMM 256: Power, Politics, and Communication
- COMM 360: Rhetoric and Civic Engagement (prereq COMRT 120, 145, or FSCOM 201)
- COMJ 160: Introduction to Community and Justice Studies (cannot be taken by seniors)
- GHS 235: Global Health Ethics
- PHIL 140 Ethics and Community (not open to seniors)
- PHIL 210: Oppression and Liberation
- PHIL 310: Global Justice (PHIL 140 or 210 prereq, or instructor permission)
- PHIL 385: Medical Ethics (Not open to first year students)
- POLSC 140: Political Philosophy
- POLSC 248: Introduction to International Human Rights
- POLSC 280: The Tragedy of Citizenship
- POLSC 348: Direct Action Organizing
- WGSS 310: Gendered Violence (WGSS 100, prereq)

## **Power and Economics**

Take one elective course (pre-requisite courses noted in parentheses):

- ECON 231: Environmental Economics and Policy (ECON 100 prereq)
- ECON 238: Poverty, Inequality, and Efficiency (ECON 100 and/or ECON 101 prereq)
- ECON 250: Issues in Financing Health Care (ECON 100 and/or ECON 101 prereq)
- ECON 251: International Economics (ECON 100 and/or ECON 101 prereq)
- ECON 256: Economic Development (ECON 100 and/or ECON 101 prereq)
- ENVSC 352: Environmental Justice (Junior / senior status)
- GHS 345: Economics of Food and Agriculture
- GHS 440: Global Health and Nutrition
- POLSC 120: Comparative Government and Politics
- POLSC 130: World Politics
- POLSC 213: Health Policy in the US (POLSC 101 recommended)
- POLSC 242: Immigration and Citizenship
- WGSS 400: Global Feminisms (WGSS 100, and WGSS 210 or 211, prereqs)
- WGSS 410: Critical Perspectives in Global Women's Health (WGSS 100, prereq)

## **Cultures and Societies**

Take one elective course (pre-requisite courses noted in parentheses):

- COMM 331: Bodies and Health in Public Communication (COMM 120, 145, or FSCOM 201 or permission of the instructor prereq)
- GHS 354: Medical Anthropology and Perspectives of Health in Asia-Pacific
- HIST 277: American History of the Body



- HIST 280: Bodies, Bloodletting, and Bile
- HIST 380: Disease and Medicine in Modern History (one HIST course prereq)
- EXL 530: Community Health Care: Internship in Community Health (EXL 230 prereq)  
(renumbering of INTDS 530/230)
- PHIL 205: Literature, Film, and Medicine: Ethical Perspectives
- PHIL 230: Science in its Cultural Setting (One course in PHIL or Natural Science, prereq)
- WGSS 100: Introduction to Women's, Gender, and Sexuality Studies
- WGSS 211: Queer Lives
- WGSS 275: Bodies in American Culture
- WGSS 310: Gendered Violence (WGSS 100, prereq)

**Required Elective:** Students also must take an additional four credits from the "Dimensions of Global Health" categories above: '**Science and the Environment,**' '**Ethics and Social Responsibility,**' '**Power and Economics,**' '**Cultures and Societies.**'

**Languages:** Students must successfully complete at least one modern language course numbered 120 or above.

Fulfillment of this requirement involves the completion of one course in a foreign language at the level of 120 or above. Students cannot place out of this requirement. For example, an entering student who tests at the 200-level would take a course at the 200-level following placement test or consultation with the chair of World Languages and Cultures.

**Note 1 re: Language requirement:** *Students cannot place out of the language requirement. For example, an entering student who tests at the 200-level would take a course at the 200-level following placement test or consultation with the chair of Modern & Classical Languages. Reach out to the Chair of Global Health Studies for specific questions related to this requirement.*

**Note 2 re: Language requirement:** *This must be a modern language (i.e. Latin does not fulfill the requirement) and taught in the target language, not in English (Arabic 250; and German 365 do not fulfill the requirement).*

**Note 3 re: Language requirement:** *American Sign Language (WLC 200) counts, but please be advised that while WLC 100 is readily available, WLC 200 is offered sporadically.*

**Note 4 re: Language requirement:** *Students who study away in a region whose primary language is not taught at Allegheny may substitute an introductory 3-4cr language class from an accredited higher education institution (ex: Hungarian | Hungary, Afrikaans | South Africa, Swahili | Tanzania, Tagalog | Philippines)*

## **Experiential Component**

Students are strongly encouraged to complete at least one Global Health Studies-related learning experience (e.g. EL seminars, semester away programs, and research or internship opportunities) that goes beyond clinical observation or shadowing. They should consult with their advisor, a GHS steering committee member, or the program chair for guidance about suitable experiential learning opportunities.

We encourage students to prepare for their experiences by partaking in a pre-departure seminar, and encourage all students to reflect on their experiences in a seminar upon their return.

- GHS 510: Global Health Fieldwork (2cr)
- GHS 515: Global Health Practice (2cr)

### *Description of Global Health Studies Minor*

Because this minor is Interdisciplinary Studies, students may complete any major to satisfy the college requirement that the major and minor be in different areas of study.

### **Required Introductory Core Course**

- GHS 130 *Introduction to Global Health Studies*

### **Required Elective Courses in Global Health Dimensions**

Take one elective course from each of the four "Dimensions of Global Health." See list of approved electives for each Global Health Dimension in the GHS Major description.

- **Science and the Environment**
- **Ethics and Social Responsibility**
- **Power and Economics**
- **Cultures and Societies**

### **Required Capstone Synthesis Course**

- *A capstone course is defined as any course, GHS 420-475.*

**Note re: Capstone courses:** *Given the high demand for the minor capstone classes, additional courses may be designated as a "capstone" course during a given semester, so there are typically three capstone electives available each semester. These additional capstone courses are in addition to courses with GHS 420-475 designation. Students should consult with the Chair of GHS for a list of approved GHS courses, including capstones, distributed before each registration period.*

## **History (First Year and Transfer)**

**Area of Study:** Values and Societies

**When advising a student interested in History, please note:**

- All History 100 and 200-level courses **require no previous history background and are appropriate for freshmen and sophomores.**

- Students are **strongly** encouraged to take two courses at the lower level (100 or 200-level courses) before enrolling in a 300-level course. Most 300-level courses are restricted to SO/JR/SR.
- Most 300-level courses, and all 500-level courses, have specific prerequisites, which are listed in the *Academic Bulletin* and on Self-Service.
- Most 100-level survey courses are offered every year. The 200-level courses are usually offered every other year, and many 300-level courses are offered every other year.

**Requirements for the Major in History:**

46 total credits:

- 1. One course (4 credit hours) in European History**
  - To be chosen from History 101, 103, 109, 110, 151, 153, 155, 157, 159, 220, 275, 280, 300, 303, 305, 306, 310, 312, 313, 320, 321, and 380.
- 2. One course (4 credit hours) in American History**
  - To be chosen from History 162, 163, 255 (or BLKST 255), 257 (or BLKST 257), 259, 261, 265, 267, 269, 270, 273, 275, 324, 326, 328, 331, 332, 339, 341, 343, 345, 347, 361, and 508.
- 3. Two courses (8 credit hours) in non-Western History**
  - To be chosen from History 113, 116, 117, 123, 124, 165, 167, 272, 353, 355, 358, 360, 365, 366, and RELST 144 (Modern Islamic Movements).
- 4. FSHIS 201 (4 credit hours)**
  - Does not satisfy distribution requirements in European, American, or non-Western History.
- 5. Junior Seminar (4 credit hours)**
  - To be chosen from History 551, 554, 558, 560, 563, 565, 571, 572, 573, 577, 584, 587, and 588.
- 6. Senior Project (6 credit hours)**
  - Comprising History 600 and 610.
- 7. A minimum of at least four courses (16 credit hours) that, excluding Junior Seminar and Senior Project, must be numbered 300 or above**

A maximum of two transferred courses (8 credits) taken at institutions of higher learning or at secondary institutions through the AP or IB programs may normally be counted toward the major. AP and IB courses may NOT be counted towards the major's European, American, and non-Western requirements.

If you have additional questions about the Major or Minor in History, please contact the Chair of the Department of History, Professor Kalé Haywood.

**Suggested Course Sequence for a Major in History:**

	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>	<b>Either Semester</b>

<b>First Year</b>	FS 101  One 100 or 200-level HIST course.	FS 102  One 100 or 200-level HIST course.	An additional 100, 200, or 300-level HIST course.  Courses should cover a range of geographic areas.
<b>Sophomore</b>	HIST 3XX	HIST 3XX	FSHIS 201  An additional 100, 200, or 300-level HIST course.
<b>Junior</b>	HIST 3XX	HIST 3XX	HIST 5xx (Junior Seminar)  An additional 100, 200, or 300-level HIST course if needed to complete 46 credits.
<b>Senior</b>	HIST 600 (Senior Project I)	HIST 610 (Senior Project II)	An additional 100, 200, or 300-level HIST course if needed to complete 46 credits.

### Requirements for the Minor in History:

Six courses (24 credits) including:

- One course each in European, American, and non-Western History (12 credits).
- Two courses (8 credits) at or above the 300 level.
- One Junior Seminar (4 credits)

AP and IB courses MAY NOT be counted toward the minor. FS HIS 201 can be counted toward the minor.

RELST 144 can be counted toward the minor and satisfies the non-Western requirement.

### Suggested course sequence for a **Minor in History**:

Minors typically take 3 entry-level (100- or 200-level) courses, 2 advanced (300-level) courses, and the Junior Seminary.

- First Year or Sophomore courses:
  - 1-2 entry-level (100- or 200-level) courses.
- Sophomore or Junior courses:

- 1-2 entry-level (100- or 200-level) courses.
- 1-2 advanced (300-level) courses in different geographical areas.
- Junior or Senior courses:
  - 0-1 advanced (300-level) courses.
  - Junior Seminar on historical research methodology.

## Information for Transfer Students

Suggested pathway for a **History Major planning to finish in 3 years:**

Note: Students are expected to be transferring two courses (8 credits) in History at the 100 or 200-level. The most common courses transferred for direct credit are HIST 162 (History of the United States to 1865) and HIST 163 (History of the United States from 1865-present).

	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>	<b>Either Semester</b>
<b>Sophomore</b>	One 100 or 200-level HIST course.	HIST 3XX	FSHIS 201  An additional 100 or 200, or 300-level HIST course.*  Courses should cover a range of geographical areas.
<b>Junior</b>	HIST 3XX	HIST 3XX	HIST 5XX (Junior Seminar)  An additional 100 or 200, or 300-level HIST course.
<b>Senior</b>	HIST 600 (Senior Project I)	HIST 610 (Senior Project II)	An additional 100, 200, or 300-level HIST course if needed to complete 46 credits.

\*The major includes 4 courses taken at the 300-level or above. Students should adjust their additional HIST courses accordingly.

### Advice for transfer courses for History major or minor:

Students interested in pursuing a major or minor in History are advised to take up to four entry-level (100- or 200-level) courses that cover a range of geographic areas (American, European, other areas) and periods. Students may also wish to take courses that would transfer at the advanced (300-) level. For

these, we are looking at the syllabus to identify courses that develop and advance the approaches and coverage of lower-level courses by including substantial attention to independent student research and historical methodology. In other words, advanced courses typically have prerequisites, longer writing assignments, and explicit readings and class meetings on research and historical methodology.

## Integrative Informatics

**Area of Study:** Interdisciplinary Studies

**Major/Minor Exclusion:**

A student majoring in Integrative Informatics may not double major or minor in Computer Science.  
Now housed in Computer Science

Integrative Informatics is an interdisciplinary Studies major that helps students to understand computational technology and the landscape of digital information systems from multiple perspectives, including technological, humanistic, and social. Areas of study include bioinformatics, health data, econometrics, new media art, data in media and marketing, robotics and artificial intelligence, and critical study of computational culture.

Students in the program complete core courses in Computer Science, Communication, and Art. Depending on their interests and goals, they also focus on courses from one of the following modules: Media and Visual Production, Environment and Sustainability, Governance and Politics, Health and Society, or Marketing and Enterprise. The major requires a minimum of 46 credit hours.

Because the program is interdivisional, students may pair it with any major or minor, except Computer Science. Students who major in Integrative Informatics may not double major or minor in Computer Science.

The first semester students should start with the core and can take any of the following courses:

- CMPSC 100.
  - If the sections for CMPSC 100 fill up before a student is able to register, instructors should be notified to see if there is an additional space and/or to be put on the waiting list.
  - Students who have any previous Java programming experience should contact the instructor for CMPSC 101 to discuss the possibility of skipping CMPSC 100 and taking CMPSC 101 right away.
- COMM 120 (suggested in preparation for COMM 340)
- ART 187

Students should also be aware that many of the courses in the modules require prerequisites. Students should consult with an advisor about their interests, questions, and goals as they design their module coursework. In their first year, students should consider taking introductory courses related to their module(s) of interest.

	Fall	Spring
<b>First Year</b>	<ul style="list-style-type: none"> <li>● FS 101</li> <li>● COMM 120 (to prepare for COMM 340)</li> <li>● CMPSC 100 (Fall or Spring)</li> <li>● <i>Students who have any previous Java programming experience should contact the instructor for CMPSC 101 to discuss the possibility of skipping CMPSC 100 and taking CMPSC 101 right away</i></li> </ul>	<ul style="list-style-type: none"> <li>● FS 102</li> <li>● ART 187</li> <li>● Take introductory courses in the module areas in preparation for choosing a module</li> </ul>
<b>Second Year</b>	<ul style="list-style-type: none"> <li>● CMPSC 101</li> <li>● Module Course 1</li> </ul>	<ul style="list-style-type: none"> <li>● CMPSC 301</li> <li>● COMM 340</li> </ul>
<b>Third Year</b>	<ul style="list-style-type: none"> <li>● CMPSC 480</li> <li>● Module Course 2 (Fall or Spring)</li> <li>● Junior Seminar chosen in discussion with your advisor (Fall or Spring)</li> </ul>	
<b>Fourth Year</b>	<ul style="list-style-type: none"> <li>● INFM 600</li> </ul>	<ul style="list-style-type: none"> <li>● INFM 610</li> </ul>

## International Studies (First Year and Transfer)

**Area of Study:** Interdisciplinary Studies

### Pathways to the International Studies (IS) Major

For all students majoring in International Studies:

- Every IS major completes "introduction to International Studies" (INTST 110) as well as general coursework from the departments of Economics, History, and Political Science
- Every IS major chooses a regional focus from East Asia (**please consult with Chair if interested in this regional focus**)\*, Europe, Latin America, Middle East and North Africa. Majors can also self-design a regional focus (e.g. West Africa).
- Every IS major gains proficiency in a second language and studies abroad (courses taken abroad most often count toward the regional focus coursework in the major).
- IS counts AP credits toward the major if they fit to requirements in the major.

### IS major in 4 years

	Fall	Spring
<b>First Year</b>	FS 101 INTST 110 <i>and</i> POLSC 120 or 130 <i>or</i> ECON 100 or 101  Language course (via placement or beginning level entrance)	FS 102 INTST 110 <i>and</i> POLSC 120 or 130 <i>or</i> ECON 100 or 101  Language course (if not taken in fall semester, via placement or beginning level entrance)
<b>Second Year</b> *Declare the IS major to begin working with a major advisor *Identify study abroad options with the help of the International Education Office	Continue work on General Coursework; Economic Theory and Applications, Political Theory  Introductory-level regionally-focused history course  Language course	Continue work on General Coursework; Economic Theory and Applications, Political Theory  Introductory-level regionally-focused history course  Language course  -->Feb. 20 deadline for fall study abroad



<p><b>Third Year</b></p>	<p><b>Semester Abroad OR</b></p> <p>Historical Interpretation course</p> <p>IS-approved Junior/Senior Seminar</p> <p>Language course</p> <p>--&gt;Sept. 20 deadline for spring study abroad</p>	<p>In this academic year, one semester will typically be on campus, and one will be abroad</p> <p>so the courses listed in the fall are valid for spring for students who studied abroad in the</p> <p>fall. And students who were on campus in the fall will typically be studying abroad in the</p> <p>spring.</p>
<p><b>Fourth Year</b></p>	<p>INTST 600 (pre-senior project)</p> <p>Any unfinished regional focus coursework</p> <p>IS-approved Junior/Senior Seminar if not taken in Junior year</p>	<p>INTST 610 (senior project)</p>

## Information for Transfer Students

IS major in 3 years

- A transfer student may be able to transfer in "Introduction to International Studies" (INTST 110). This course introduces interdisciplinary study of regions of the world with particular emphasis on colonization and colonialism, Post WWII international institutions, regional alliances, and current thinking on international development and the environment/sustainability.
- Ideally, a transfer student considering an IS major with one year of experience elsewhere will be able to transfer in introductory coursework in Political Theory and/or Economic Theory and Applications and/or language courses and/or an introductory regionally-focused history course.
- Students transferring to Allegheny College are strongly encouraged to begin working with the IS Program Chair and/or an IS major advisor as soon as they know they will be coming to Allegheny College.

\*Our language options are limited for the East Asia region. Students interested in East Asia as a focus region should contact the Chair upon matriculation.

## Jewish Studies

**Area of Study:** Interdisciplinary Studies

Minor coordinator: Krone

The minor requires 20 credits and a GPA of at least 2.0 in the minor. Courses not on the list, including those taken during study abroad, may be counted toward the minor with prior approval of the minor coordinators. At least two courses in the minor must be at the 300 level or above.

**Foundation Course:** RELST 147, *Judaism* (offered in spring semesters)

**Jewish Religion/Judaism:** Take **two** courses.

- ENVSC/RELST 372, *Judaism, Justice, and Food*
- PHIL/RELST 227, *Religion and the Challenge of Modernity*
- RELST 229, *The Hebrew Bible*
- RELST 341, *Jewish Ethics*
- RELST 360, *Religion and Ecology*

**Jewish Ethnic/Cultural/Historic Relations:** Take **two** courses.

- COMJ 270, *Power, Society, and Social Change*
- HIST 110, *Europe in the Age of Dictatorship and Democracy, 1914-Present*
- HIST 124, *A History of the Modern Middle East, 1839-Present*
- HIST 159, *History of Modern Germany*
- HIST 313, *A History of the Third Reich and the Holocaust*
- PHIL 210, *Oppression and Liberation*
- POLSC 232, *Government and Politics of the Middle East*
- POLSC 354, *War and Peace in the Middle East*
- POLSC 355, *The Arab--Israeli Conflict*
- RELST 180, *Religion in American Life*
- RELST 288, *Jewish Meadville*
- WGSS 210, *Social Movements in Women's, Gender, and Sexuality Studies*

## Journalism in the Public Interest

**Area of Study:** Languages, Literature, and Culture  
Now housed in Communication, Film, and Theatre

**The Journalism in the Public Interest minor is currently under revision. Students interested in journalism as a possible minor should take JOURN 100, News Writing (which IS being offered this year); other courses for the minor will be announced in the upcoming months.**

The minor requires a minimum of 20 semester credit hours. Students must have at least a 2.0 GPA in the minor. The minor requires: two applied journalism courses (JOURN 100 and 300); two journalism synthesis courses (JOURN 200 and 550); and a third applied journalism course or a practicum (JOURN 320 or JOURN 501 and 502).

Course(s)	Timing and Notes
JOURN 100	Typically offered both semesters each year. Students that are considering a JPI minor should enroll in that course as soon as possible.
JOURN 300	Students who cannot wait may substitute FDS 375, Documentary Tradition.
JOURN 200 JOURN 550	Both courses are offered once a year in alternate years. First-year students and sophomores may take JOURN 200. Rising juniors who have <i>not</i> taken either course should enroll in whichever course is offered in their junior year (even if that means taking JOURN 550 prior to JOURN 200). Students with a strong interest in journalism are encouraged to complete JOURN 100 in their first semester and JOURN 200 in their second semester. <b>JOURN 550 will not be offered in 2021-2022.</b>
JOURN 300	Offered one semester every year, usually (though not always) in the spring. It will be offered Spring 2020.
JOURN 501 JOURN 502	The editor(s)-in-chief of <i>The Campus</i> are responsible for approving JOURN 501 and JOURN 502 internships. Interested students should contact the advisor (Mike Crowley) and editor(s) for additional information.
JOURN 500	Internship with <i>The Meadville Tribune</i> is listed in the <i>Academic Bulletin</i> , but the publisher is currently not accepting interns. The long-term status of this internship and course number will be addressed in the future.

# Latin American and Caribbean Studies

**Area of Study:** Interdisciplinary Studies

Now housed in International Studies

**Program Faculty:** Professors Hernandez, Caballero, K. Haywood, Herrera, Mattiace, and Riess

A minor in Latin American and Caribbean Studies requires 24 credits: 12 credits from the Social Science Division and 12 credits from the Humanities Division. Please see Academic Bulletin for specific course listings.

	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
Courses	FS 101  HIST 116  SPAN 110, 120, 215, 220, 230, 245  (consult Language Placement Exam score for appropriate course)	FS 102  HIST 117  SPAN 225 (has a pre-req.)

## Mathematics (First Year and Transfer)

**Area of Study:** Mathematics and Natural Sciences

### A Guide to First Year Advising in Mathematics

In general, students who will need a mathematics course, or who are interested in mathematics, should be encouraged to take a mathematics course in the fall.

### Mathematics Placement Test Policy for 2022

- All entering first-year and transfer students are required to take the math placement exam, with the exception of students who have already received Allegheny transfer credit for a Mathematics course numbered MATH 141 or higher, or who have already received Allegheny transfer credit for PRERQ\*MAT.
- All other first-year students (including those students who took an AP Calculus Exam in Spring 2021) and transfer students should take the Math Placement Test. A student's math placement score is a measure of their current preparation for Allegheny's Calculus I.

**Students who take the Math Placement Test:**

- Students who place in MATH 151 (Calculus I) should take MATH 151.
- Students who do not place in MATH 151 should take MATH 140 (Calculus I with Precalculus, Part 1).

**Students who took an AP Calculus Exam in Spring 2022**

- Unless Allegheny has received the official results for the AP Calculus Tests, these students should be enrolled in MATH 140 or MATH 151 based on their math placement test score.
- Once the official results for the AP Calculus Tests have been received, students with AP calculus credit should be moved to the appropriate calculus course as described in the following table.

<b>AP Test</b>	<b>AP Score</b>	<b>Credit Received</b>	<b>Recommended Placement</b>
Calculus AB	3 or below	None	Determined by placement exam
	4 or 5	MATH 151	MATH 152
Calculus BC	2 or below	None	Determined by placement exam
	3 with AB subscore of 3 or below	None	Determined by placement exam
	3 with AB subscore of 4 or 5	MATH 151	MATH 152
	4 or 5	MATH 151 and MATH 270	MATH 152

**Students with transfer credit (regardless of placement test score, if they took the Math Placement Test):**

- Unless Allegheny has already processed incoming transfer credit, these students should be enrolled in MATH 140 or MATH 151 based on their math placement test score.

- Once incoming transfer credit has been processed, students with transfer credit should be moved to the appropriate calculus course as described in the following table.

Transfer Credit	Recommended Placement
PRERQ*MAT	MATH 151 (regardless of placement exam score, if they took the math placement exam)
MATH 140	MATH 141
MATH 141	MATH 152
MATH 151	MATH 152
MATH 152	Consult Math department chair
MATH 270	MATH 152, or consult Math department chair

### Pathways to the Mathematics Major:

For all students majoring in Mathematics:

- Ideally, a Mathematics major should begin in MATH 151 or above. Students who do not place in MATH 151 should begin in MATH 140.
- MATH 205 is a prerequisite for most upper-level courses and should be taken as soon as possible, in the second year if possible.
- The required courses MATH 270 or 280, MATH 325, and MATH 340 are offered only in the fall. The required courses MATH 320 and MATH 585 are offered only in the spring.
- Most 200-, 300-, and 400-level electives are offered once every two years; the exception is MATH 345, which is offered every fall, and MATH 346, which is offered every spring.

### Suggested Sequence of Required Courses for the Math Major placing in Math 151:

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)
First Year	MATH 151	MATH 152

Sophomore	MATH 211 MATH 205	MATH 320 Elective
Junior	MATH 270 or MATH 280 MATH 325 or MATH 340	MATH 585 Elective
Senior	MATH 325 or MATH 340 Elective	MATH 620

**Suggested Sequence of Required Courses for the Math Major placing in MATH 140:**

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)
First Year	MATH 140	MATH 141
Sophomore	MATH 152	MATH 211 MATH 205
Junior	MATH 270 or MATH 280 MATH 340	MATH 320 MATH 585 Elective
Senior	MATH 325 Elective	MATH 620 Elective

**Pathways to the Mathematics Minor:**

For all students minoring in Mathematics:

- The Mathematics minor requires 20 semester credit hours of Mathematics courses numbered above MATH 151.

- FSMAT 201 counts toward the Mathematics minor but is not required.
- At least 4 semester credit hours must include a Mathematics course numbered 300 or above.

**Suggested Sequence of Courses for the Math Minor placing in Math 151:**

	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>
First Year	MATH 151	MATH 152
Second Year	MATH 211	MATH 320 or Elective
Third or Fourth Year	MATH 345 or Elective	Elective

**Suggested Sequence of Courses for the Math Minor placing in Math 140:**

	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>
First Year	MATH 140	MATH 141
Second Year	MATH 152	MATH 211
Third Year	MATH 345 or Elective	MATH 320 or Elective
Fourth Year		Elective

## **Information for Transfer Students**

**Suggested Sequence of Required Courses for the Math Major for Transfer Students with credit in MATH 151 and MATH 270, and wanting to finish in three years:**

- Ideally, a transfer student considering a Mathematics major with one year of experience elsewhere will already have transfer credit for at least two courses in calculus, typically MATH 151 and MATH 270.



	<b>Fall</b>	<b>Spring</b>
<b>Second Year</b>	MATH 152	MATH 205 MATH 211
<b>Third Year</b>	MATH 340	MATH 320 MATH 585 MATH Elective
<b>Fourth Year</b>	MATH 325 MATH Elective	MATH 620 MATH Elective

**Suggested Sequence of Required Courses for the Math Major for Transfer Students with credit in MATH 151, MATH 270, and MATH 211 and wanting to finish in two years:**

- Ideally, a transfer student considering a Mathematics major with two years of experience elsewhere will already have transfer credit for three courses in calculus, typically MATH 151, MATH 270, and MATH 211, as well as transfer credit for either MATH 280 or MATH 320. For these students, MATH 270 serves as a substitution for MATH 152, making MATH 280 required.

	<b>Fall</b>	<b>Spring</b>
<b>Third Year</b>	MATH 205 MATH 280 (if not transferred) <i>or</i> MATH Elective	MATH 320 (if not transferred) MATH 585 MATH Elective
<b>Fourth Year</b>	MATH 325 MATH 340	MATH 620 MATH Elective MATH Elective (if needed)

# Middle East and North African Studies

**Area of Study:** Interdisciplinary Studies

Now housed in International Studies

**Program Faculty:** Professors Alkyam (Program Coordinator), Hilal, Kirschner, Krone, B. Miller, Mitchell, Onyeiwu, Reeck

See also the Middle East and Northern Africa track in the "International Studies" major.

The minor in Middle East and North Africa ("MENA") Studies is an interdivisional program examining the history, politics, religion, culture, and economics of the region. Through this minor, students will gain an in-depth understanding of the MENA region and the contexts through which we understand it. One of these courses must be at or above the 300 level, and students must have at least a 2.0 GPA in the minor. Students petitioning to include classes not listed below must provide a course syllabus. The minor requires a minimum of 24 semester credit hours, and no more than 12 credits of foreign language study may be included in the 24-credit minimum.

When appropriate, other courses – for example, courses taken during study abroad – may be substituted for any of the requirements. All substitutions of alternatives for required courses must be approved by the minor coordinator, and students are strongly encouraged to discuss any potential course substitutions prior to enrolling in the course.

When advising students, please note:

- Students should take an introductory survey and start the Arabic language sequence as soon as possible (ideally, in their first 3 semesters).
- RELST 140 cannot be substituted for the survey requirement.

Minor courses offered Fall 2022:

- ARAB 110, Beginning Arabic I
- ARAB 150, Levantine Conversational Arabic
- ARAB 215, Intermediate Arabic I
- HIST 280, Bodies, Bloodletting, and Bile
- POLSC 355, The Arab-Israeli Conflict
- RELST 140, Islam: Faith, History, and Culture
- RELST 255, Global Religious Education

## Music (First Year and Transfer)

**Area of Study:** Visual and Performing Arts

**Discontinued Programs:** Music Major, Music History Minor, and Music Theory Minor (last in 2021-2022 Bulletin)

Courses in the Music Department are basically offered in three main aspects –

1. Music History
  2. Music Performance (applied lessons and ensembles)
  3. Music Theory
- The **music minor** require courses in all three areas, with more depth in the area of emphasis.

Students who have been involved in music in high school will often want to continue pursuing their love of music at Allegheny, whether they are music majors, minors or neither. Most popular are the ensembles, applied lessons, and introductory level courses. Quite a few of these students who start out saying they will neither major nor minor in Music *do* end up pursuing a minor in Music. Please advise students interested in Music to take the Department diagnostic exam, particularly if they might be taking courses in Music Theory and Music History.

Students who are interested in auditioning for music ensembles must keep the 12:30 to 1:20 time period open as many ensembles rehearse at that time. Alternative sections should be available for all other courses that meet at that time. Additionally, FS 101 selections should prioritize the MWF time slot; or students might consider avoiding a 1:30 class if they have FS 101 and ensemble back to back.

#### **Music Diagnostic Exam online (Canvas):**

- Prior to taking courses in Music Theory (Music 188, 200, 201, 300) or Music History (286, 287, 387), students need to take the music diagnostic exam online (Canvas). Students can request access to the diagnostic via a Google Form (see Learning Commons for more information.)
- For **theory courses**, students will be placed by this theory diagnostic.
- For **history courses**, students who place into Music 200 or above will have more success than those without any music theory experience.
- *Students who might major or minor should take this diagnostic exam as soon as possible.*

For music theory, questions should be directed to

- Call Music Office for additional information 814-332-3356

For music history, questions should be directed to either

- Call Music Office for additional information 814-332-3356
- **Performing Ensembles** - auditions for music ensemble courses (Music 110-119) usually occur during the first week of classes of each semester. See the following professors for your desired ensemble:
- Music 110 – Civic Symphony (orchestra); call Music Office for additional information 814-332-3356
- Music 112 & 113 – Wind Symphony and Wind Ensemble (bands); call Music Office for additional information 814-332-3356
- Music 114 – Jazz Band; call Music Office for additional information 814-332-3356
- Music 115 to 119 – Choirs; Professor James Niblock, Room M-205, jniblock@allegheny.edu

**Applied lessons** - students can take applied lessons for credit (Music 230-485). See Financial Services for applied lesson fees. Contact appropriate area coordinator below to audition for placement.

- Brass & Percussion – call Music Office for additional information 814-332-3356
- Keyboard – call Music Office for additional information 814-332-3356
- Voice – Ms. Carol Niblock, Room M-205, cniblock@allegheny.edu
- Strings – Professor Jennifer Dearden, Room M-116, jdearden@allegheny.edu
- Guitar – Mr. James Froman, Room M-120, jfroman@allegheny.edu
- Woodwinds – call Music Office for additional information 814-332-3356

All applied courses in Music 430-480 and 485 include weekly lessons plus Performance Seminars on Fridays, 12:30-1:20pm. Placement by applied teacher of students into level 400 lessons is based on technical competence and repertoire level. Prior enrollment in level 200 and/or 300 lessons may be required before advancing to level 400. When counting toward the major or minor, requirements for applied lessons and ensembles are on the student's principal instrument.

*\*Be sure to take enough applied lessons and ensembles in the prescribed options in the Academic Bulletin prior to graduation.*

**Timing of Courses:**

Fall	Spring
MUSIC 188, 201, 287, 580	MUSIC 200, 286, 300, 387, 401

**Things to Remember:**

- For students placed into Music 188 or 200 who might also be on a pre-health track, double majoring, considering a 3-2 program, or hoping to study away from campus for a semester, it is imperative they start Music 188 and/or 200 during their first year.
- Students placed into Music 201 can opt to start these courses in their first year.
- Students who place into a given course in the theory sequence may not count lower numbered theory courses toward the major or minor in music.
- Courses offered Fall Semester Only: Music 188, 201 287, 580.
- Courses offered Spring Semester Only: Music 200, 286, 300, 387, 401.
- All applied lessons and ensemble courses are repeatable.
- All applied lesson courses carry a fee. See Financial Services for applied lesson fees.
- Students are encouraged to enroll in applied lessons and performing ensembles through all four years at Allegheny.

The Music Department offers Minors in Music History, Performance, and Theory. Please see *Academic Bulletin* for specifics.

# Information for Transfer Students

## Pathways

- Please note that pathways are dependent on Music Theory placement and thus may be different for individual students.
- Music 300 and Music 401 are only offered in alternating spring semesters, so their availability may alter the scenarios below.
- The progression through 200-, 300-, and 400-level applied lessons is highly individualized. The 400-level lessons are required for the Music major and minors (number of required credits can vary for the minors), and goals/timelines for successful completion of these courses should be discussed with applied teachers as early as possible.

## Pathways to **Music Minor (Performance Minor Option)** 3 years

	<b>Fall</b>	<b>Spring</b>
<b>Year 1</b>	Ensembles & 200-level applied lessons  MUSIC 188	Ensembles & 300-level applied lessons  MUSIC 200
<b>Year 2</b>	Ensembles & 400-level applied lessons  MUSIC 287 or MUSIC 201	Ensembles & 400-level applied lessons  MUSIC 286 or MUSIC 387
<b>Year 3</b>	Ensembles & 400-level applied lessons	Ensembles & 400-level applied lessons

## Issues to consider for transfer credits

- The point at which students enter Allegheny's Music minor, and which courses they will need to take to complete them, will depend primarily on proficiency in Music Theory as measured by a placement test that they will take before registration, interpreted in consultation with department faculty as needed. Therefore, students intending to transfer to Allegheny to pursue a Music major or minor should focus not only on earning credits, but also on building proficiency.
- If the proper classification of a course being evaluated for transfer credit is in doubt, then please consult the Music Department Chair.

<b>In order to transfer as...</b>	<b>...the course must...</b>
MUSIC 101	<ul style="list-style-type: none"> <li>● Provide a broad overview of historical topics in western music</li> <li>● Provide a broad overview of basic musical terms and formal structures</li> <li>● Provide a broad overview of instrumental families and standard musical ensembles</li> </ul>
MUSIC 102	<ul style="list-style-type: none"> <li>● Provide a broad overview of the history and development of several non-western musical cultures</li> </ul>
MUSIC 187	<ul style="list-style-type: none"> <li>● Provide a broad overview of jazz and jazz subgenres</li> <li>● Incorporate critical listening of jazz and prominent jazz musicians</li> </ul>
MUSIC 188	<ul style="list-style-type: none"> <li>● Cover fundamental topics of music theory, such as scale formation, interval and chord identification and spelling, and rhythmic &amp; metric structures</li> </ul>
Ensembles MUSIC 110-119	<ul style="list-style-type: none"> <li>● Be a credit-bearing course led by a faculty member</li> <li>● Include at least one public concert</li> </ul>
400-level applied lessons	<ul style="list-style-type: none"> <li>● Culminate in a juried solo performance on the student's primary instrument</li> </ul>

## Neuroscience (First Year and Transfer)

**Area of Study:** Mathematics and Natural Sciences

**Major/Minor Exclusions:**

A student majoring in Neuroscience may not minor in Psychology.

**When advising a student interested in Neuroscience, please note:**

**The Major in Neuroscience has four principle components:**

- **Core Courses:** BIO 220, 221, CHEM 120, 122, 231, NEURO 110, 120, and research methods/statistics (either BIO 385 or PSYCH 206 and 207).
  - *BIO 220 and 221 no longer have a prerequisite (previously CHEM 120) and can be taken in either order.*

- Electives: complete **three 4-credit courses** selected from three areas, **Cellular and Molecular Neuroscience, Behavioral and Cognitive Neuroscience, and Neuroscience Connections**. These courses must include at least one from the Cellular and Molecular list and one from the Behavioral and Cognitive list. At least two of these 4 credit classes must be numbered 300 or above. (See *Academic Bulletin* for specific courses).
- **Junior Seminar** from a list of BIO and PSYCH Junior Seminars (See *Academic Bulletin* for specific courses).
- Two-semester, six credit **Senior Project** (NEURO 600 and 610).

#### Major/Minor Advising Considerations:

- There is **no Minor** in Neuroscience.
- Students majoring in Neuroscience may **not minor** in Psychology.
- If a student decides to double major in Neuroscience and Psychology there must be a minimum of 20 credits completed in Psychology that are not counted in any way toward the Neuroscience Major.

#### Prerequisites to note:

- NEURO 110 does not have any formal prerequisites. Success in the course does, however, require an openness to, if not an understanding of, quantitative approaches and chemical and biological perspectives. A student's placement into MATH 151 or score a 4 or 5 in PA BIO are particularly good indicators that they would be prepared for NEURO 110 upon arrival at Allegheny.
- Students who place into MATH 151 may take CHEM 120
- Students who place into MATH 140 should consider enrolling in CHEM 119 in the 1st year Fall semester. Upon successful completion of either Math 140 or CHEM 119 (C or better), the student may register for CHEM 120 in Spring semester.
- Bio 220 or BIO 221 and FS 102 are prerequisites for FS BIO 201.
- FS BIO 201 is a prerequisite for some of the advanced Bio courses in the **Cellular and Molecular Neuroscience Area**.
- PSYCH 150, 152, 154, or 172 may serve as a prerequisite for the advanced PSYCH courses in the **Behavioral and Cognitive Area**.
- Mathematics is not required for a Neuroscience Major, but calculus is a pre- or corequisite for some Biology and Chemistry courses required for the Neuroscience Major. Also note that calculus is required for students interested in the Health Professions.
- PSYCH 150, 152, 154/5, and 172 are **Neuroscience Electives** that have **no prerequisites**.

#### Additional Advising Notes:

- CHEM 232, 234, and Physics 101,102 (or 110 and 120), are recommended for some Graduate Programs in Neuroscience and are on the required list for the Health Professions.
- Please note PHYS 110, CHEM 231, and PHYS 101 are offered **only in Fall** semesters while PHYS 102 and Physics PHYS 120 are offered **only in Spring** semesters.

Potential Schedules for **Neuroscience Majors** (Note from the current chair: each of the two potential schedules provided can be, and have been, substantially modified by successful Neuroscience Majors):

Potential schedule for those **starting in MATH 151**:

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)	Either Semester
First Year	FS 101 CHEM 120 MATH 151 NEURO 110/120 PSYCH 150, 152, or 154/155	FS 102 NEURO 110/120 CHEM 122 PSYCH 150, 152, or 154/155	
Sophomore	BIO 220 CHEM 231 PSYCH 206 or BIO 385	BIO 221 PSYCH 207 or BIO 385	FS 201 (FSBIO 201 is prerequisite for several courses in Cellular and Molecular Area)
Junior	Neuroscience Electives	Neuroscience Electives	Junior Seminar (The specific semester and section should be arranged second semester of sophomore year)
Senior	NEURO 600	NEURO 610	

Potential schedule for those **starting in MATH 140**:

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)	Either Semester



First Year	FS 101 MATH 140 CHEM 119 PSYCH 150	FS 102 NEURO 110/120 CHEM 120 MATH 141	
Sophomore	BIO 220 CHEM 122 PSYCH 206 or 385	BIO 221 PSYCH 207 or BIO 385	FS 201 (FSBIO 201 is prerequisite for several courses in Cellular and Molecular Area)
Junior	CHEM 231 Neuroscience Electives	Neuroscience Electives	Junior Seminar (The specific semester and section should be arranged second semester of sophomore year)
Senior	NEURO 600	NEURO 610	

## Information for Transfer Students

### For all students majoring in Neuroscience:

- There are no prerequisites for starting the required Foundations of Neuroscience course sequence (Neuro 110 and Neuro 120), although it should be noted that Neuro 110 is not recommended for first semester, first year students who are uncomfortable with the natural sciences.
- There are specific prerequisites for required core courses in Chemistry and attention must be paid to these in schedule planning.
  - Placement into Math 151, transfer or AP credit for Math 151, completion of Math 140 with a C or better, or completion of Chem 119 with a C or better is required to enroll in Chem 120.
  - Chem 120 is a prerequisite for Chem 122 and Bio 220.
  - Chem 122 is a prerequisite for Chem 231 (which is only offered in fall semesters).
  - Bio 220, Bio 221, and FSBio201 are requirements for upper level Bio classes in the Neuroscience curriculum.
- Several Psychology courses that serve as electives in the Neuroscience major do not have prerequisites (Psych 150, Psych 152, Psych 154/5, and Psych 172).
- For the Statistics requirement for the major

- Math 141 or 151 is a prerequisite for the Bio 385 option.
- There is no prerequisite for starting the alternative Psych 206-Psych 207 sequence.
- Neuroscience majors complete at least 3 electives selected from three areas. At least two of these 3 classes must be numbered 300 or above and thus most have some prerequisite in Psych, Bio, or Neuro.

Two potential Four Year pathways for **Neuroscience Majors** are presented below.

Transfer students could fit into these based on their completion of prerequisites via transfer credits, with the place in the sequence of Chem and Bio classes perhaps the most important variable. (It takes four semesters to complete the Bio and Chem courses if no additional work is required to start Chem 120, five if a prerequisite for Chem 120 remains.)

Potential four year pathway for those meeting CHEM 120 prerequisites

	<b>1<sup>st</sup> Semester (Fall)</b>	<b>2<sup>nd</sup> Semester (Spring)</b>	<b>Either Semester</b>
First Year	FS 101 CHEM 120 MATH 151 NEURO 110 or PSYCH 150, 152, or 154/155	FS 102 NEURO 110 or 120 CHEM 122 PSYCH 150, 152, or 154/155	
Sophomore	BIO 220 CHEM 231 PSYCH 206 or BIO 385	BIO 221 PSYCH 207 or BIO 385	FS 201 (FSBIO 201 is prerequisite for several courses in Cellular and Molecular Area)
Junior	Neuroscience electives	Neuroscience electives	Junior Seminar (The specific semester and section should be arranged second semester of <i>sophomore year</i> )
Senior	NEURO 600	NEURO 610	

Potential four year pathway for those needing MATH 140 to take CHEM 120:

	<b>1<sup>st</sup> Semester (Fall)</b>	<b>2<sup>nd</sup> Semester (Spring)</b>	<b>Either Semester</b>
First Year	FS 101  MATH 140  CHEM 119  PSYCH 150	FS 102  NEURO 110  CHEM 120  MATH 141	
Sophomore	BIO 220  CHEM 122  PSYCH 206 or BIO 385  NEURO 120	BIO 221  PSYCH 207 or BIO 385	FS 201 (FSBIO 201 is prerequisite for several courses in Cellular and Molecular Area)
Junior	CHEM 231  Neuroscience electives	Neuroscience electives	Junior Seminar (The specific semester and section should be arranged second semester of <i>sophomore year</i> )
Senior	NEURO 600	NEURO 610	

(Note from the current chair: each of the two potential pathways shown here can be, and have been, substantially modified by successful Neuroscience Majors):

**Additional Major/Minor Advising Considerations:**

- There is **no minor** in Neuroscience.
- Students majoring in Neuroscience **may not** minor in Psychology.
- If a student decides to double major in Neuroscience and Psychology there must be a minimum of 20 credits completed in Psychology that are not counted in any way toward the Neuroscience Major.

# Philosophy (First Year and Transfer)

**Area of Study:** Values and Societies

Now housed in History

**When advising a student interested in Philosophy, please note:**

**Entering and other students can't go wrong with any 100 level course.**

\*Offered Fall 2022

- **\*PHIL 130 (Science and Values)** emphasizes the topic areas its title suggests.
  - It also serves a role in the Art, Science, and Innovation major.
- **\*PHIL 140 (Ethics and Community)** emphasized the topic areas its title suggests. *FYI: Fall 2022 PHIL 140 is closed to first year students due to high demand from seniors (course is set signature only).*
  - It also serves a role in the Business major, Community & Justice Studies Major, Education Studies Minor, Energy & Society minor, Global Health Studies major.
- **PHIL 165 (The Examined Life: Philosophy Through the Ages)** focuses on classic and contemporary texts.

**200-level courses should be accessible without prior preparation to entering first year students with stronger than average writing and reading skills.** PHIL 210 is open to first-year students only on individual consideration (please contact Department Chair Eric Palmer for consideration)

**The Major in Philosophy** requires completion of at least 42 semester credit hours as outlined below:

- Two introductory courses from among Philosophy 130, 140 and 165. It is recommended, but not required, that these courses be taken before courses above the 100 level.
- Philosophy 220
- One of Philosophy 230 or 240
- One of Philosophy 260, 270, 350
- Philosophy 310
- Philosophy 580
- Philosophy 600 and 610
- Two elective courses in philosophy or cognate courses from another discipline. By consulting with faculty, students may use electives to create an emphasis in a specific area of philosophy.

**The Minor in Philosophy** requires completion of at least 24 semester credit hours as outlined below:

- Two courses from among Philosophy 130, 140, 165 and 220.
- Philosophy 310
- Philosophy 580
- Two electives to bring the total to 24 credits.

Philosophy majors/minors are required to have a GPA of at least 2.0 in the Major/Minor at graduation. All department courses taken at Allegheny on a letter-grade basis are included in that calculation, with the exception of repeated courses for which only the most recent grade counts. No more than one Philosophy course that is taken Credit/No Credit will count toward the minor.

## Information for Transfer Students

### Pathways to the Philosophy Major

A **Philosophy major might be achieved on a 2 year schedule** by a student who transfers in two (3-credit) introductory philosophy courses from earlier college experience and pursues the following schedule (for explanation of *non-numbered course requirements noted in the table*, see further below):

	Fall	Spring
<b>Third Year</b>	<i>Introductory-level or philosophy elective</i> PHIL 220, Epistemology <i>History of philosophy requirement</i>	<i>Sciences and philosophy requirement</i> <i>Philosophy elective</i> <i>Philosophy elective</i>
<b>Fourth Year</b>	PHIL 600, Senior Project Tutorial (2 credits) PHI 580, Junior Seminar	PHIL 610, Senior Project PHIL 310, Global Justice

(The schedule above is hypothetical: history of philosophy courses and science and philosophy courses are offered each year, but their pattern of offering varies between spring and fall.)

**More detail on the Philosophy major:** The path to a Philosophy major might best be traced back from its endpoint (graduation!). It requires completion of **42 credits**.

#### In your Fourth (Senior) Year:

You must complete your **senior project**, a two semester sequence of your own independent work, carried out under the supervision of a faculty member. **PHIL 610** is the course that completes your senior project.

PHIL 610 is preceded by a tutorial half-course (2 credits – **PHIL 600**) that is preparatory work to develop the project. PHIL 600 should be taken in the semester before PHIL 610. So, **PHIL 600** may be taken as early as your Junior year spring semester, or in the fall semester of your Senior Year.

#### In your Third (Junior) or Fourth Year:

Along with PHIL 600, you should expect to take our highest-level course offerings: the **junior seminar (PHIL 580)**, regularly offered in fall) and an **applied seminar (PHIL 310)** (regularly offered in spring)). These two may be taken either year, it is not crucial that PHIL 580 be taken in the Junior year.

**In your Second (Sophomore) or Third Year** (or, if not completed earlier, in your Senior Year):

You should expect to take **epistemology (PHIL 220)** at least one **history of philosophy course (PHIL 260, 270, 275)** and one **sciences and philosophy course (PHIL 230, PHIL 240)**.

And, for those who begin their college education at Allegheny, or transfer in after the first year:

**In your First or Second Year:**

You should expect to take **two** of our **introductory-level courses (PHIL 130, PHIL 140, PHIL 165)**. You may also take 200-level courses.

**A Philosophy minor** is easily completed in two years. A student should expect to take our highest-level course offerings: the **junior seminar (PHIL 580)**, regularly offered in fall) and an **applied seminar (PHIL 310)** (regularly offered in spring)). These may be taken either Junior or Senior year. The minor also requires 24 credits total, of which two courses should be from among PHIL 130, 140, 165 and 220. That two course requirement might be satisfied through transfer courses: for details, see the "Philosophy courses most often transferred" below.

**Students transferring to Allegheny College who are considering a Major or Minor in Philosophy** should feel free to ask questions of the Department Chair (Eric Palmer, epalmer@allegheny.edu) to informally discuss courses that may transfer to satisfy specific requirements listed above.

### **Philosophy courses most often transferred**

Issues to consider for transfer credits:

1. A 3-credit transfer course with a similar description and course content will be accepted to fulfill a 4-credit requirement in Philosophy. However, a student must still meet the minimum number of credit hours required for the major (or minor), which might necessitate taking or transferring elective courses in Philosophy.
2. Philosophy requires two introductory 100-level courses towards the Major, and up to two such courses may be counted towards the Minor. Students who transfer in a Philosophy course to Allegheny College are most likely to receive credit that will serve to fulfill the requirement for one of those introductory courses. This is necessarily so if the course transfers in as PHIL 130, 140, or 165. It is very likely to be the case even when courses transfer as a generic number, PHIL\*1TE or PHIL\*2TE. It is safe to say that any introductory course in a standard area of philosophy such as logic, metaphysics, epistemology, or critical thinking will qualify. Explicit determination may be decided upon consultation with the Department Chair.
3. **History Courses: PHIL 260** Ancient Greek Philosophy, **PHIL 270** Early Modern Philosophy, and **PHIL 265** Black American Thinkers are likely to be transfer equivalents for courses with similar titles and historical spans (PHIL 165: courses covering at least two figures in ancient

Greece and Rome together may qualify; PHIL 270: European philosophy during the period of 1580 to 1790, and covering at least three figures, may qualify). Other courses (e.g., Medieval Philosophy, History of African Philosophy) may qualify as satisfying the history course requirement for the major. A course focused upon history of philosophy that is discontinuous, jumping through time periods, is unlikely to qualify, and is likely to transfer either as PHIL 165 or PHIL 1\*TE equivalency.

4. **Epistemology course: PHIL 220** Epistemology is likely to be a transfer-equivalent for any college-level course with the title "Epistemology", "Theory of Knowledge," "Knowledge," or "Problems of Knowledge." A course with the title "Knowledge and [second subject area]" is unlikely to qualify as PHIL 220 and is likely to transfer as PHIL 1\*TE equivalency.
5. **PHIL 285 Business and Management Ethics** is likely to be a transfer equivalent for another college-level course with the title "Business Ethics" or "Management Ethics" or a similar title, where the course has an upper-level (above introductory level) number within the numbering system that is used by the institution at which the course is taught. Introductory level courses are likely to transfer as Phil 1\*TE equivalency.
6. PHIL 385 Medical Ethics is likely to be a transfer equivalent for a college-level course with the title "Medical Ethics" or "Biomedical Ethics" or a similar title, where the course has an upper-level (above introductory level) number within the numbering system that is used by the institution at which the course is taught. Introductory level medical ethics courses are likely to transfer as Phil 1\*TE equivalency.
7. **Cognate courses:** Up to two courses that count towards a Major in Philosophy may be "cognate courses". A cognate course (from an area outside of the study of philosophy) will qualify as providing credits towards the Major if your advisor at Allegheny College finds that the course you propose contributes to your philosophical work. This arises most frequently when a course contributes towards informing work that will be developed in the Senior Project. So, for example, a Women's, Gender and Sexuality Studies course may be a suitable cognate for a student whose work focuses upon social and political philosophy. Your academic advisor at Allegheny determines qualification for cognate courses following your arrival, Usually well into your study at Allegheny, so this will not affect decisions regarding qualifying transfer courses. But having a background in relevant courses may reduce the number of courses in Philosophy that will be required to complete the major.

Students transferring to Allegheny College who wish to consult on courses should feel free to ask questions of the Department Chair (Eric Palmer, epalmer@allegheny.edu) to informally discuss courses that may transfer.

## Physics (First Year and Transfer)

**Area of Study:** Mathematics and Natural Sciences

Information for Transfer Students indicated by **\*Note for Transfer Students:**

**(Including Physics and Astronomy Minors)**

There are two different sequences of introductory physics, each consisting of two courses\*.

	PHYS 110 and 120	PHYS 101 and 102
Series Begins	Fall Semester	Fall Semester
Taken by	Physics, Chemistry, and Biochemistry Majors in the first or second year	Some Pre-Health Students
Restrictions	PHYS 110 is restricted to first year and sophomore students	

**\*Note for Transfer Students:** Introductory Physics courses that require Calculus as a prerequisite or corequisite in their course descriptions can substitute for PHYS\*101 and PHYS\*102

Suggested Schedules for the **Physics Major starting in MATH 140\***:

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)	Either Semester
First Year	FS 101 MATH 140	FS 102 MATH 141	100-Level natural science course (CHEM 119+120, CS, Geology, Neuroscience)
Sophomore	PHYS 110 MATH 152	PHYS 120 PHYS 240 PHYS 260	
Junior	PHYS 210	PHYS 580	PHYS 4XX
Senior	FSPHY 201	PHYS 3XX	



	PHYS 272	PHYS 3XX or 4XX	
Senior	PHYS 600 PHYS 3XX	PHYS 610	PHYS 3XX or 4XX

**\*Notes for Transfer Students:**

1. *Students who transfer into the sophomore year* can enter the first sequence at the Sophomore level if they have had the equivalent of MATH 141.
2. *Students who transfer into the sophomore year* can enter the second sequence at the Sophomore level if they have had the equivalent of MATH 141 and PHYS 101 (an introductory physics course with Calculus as a prerequisite or corequisite).
3. *Students who transfer into the Junior year* can enter either sequence at the Junior level if they have had the equivalent of PHYS 101 and PHYS102 (an introductory sequence of physics courses with Calculus as a prerequisite or corequisite). To satisfy major requirements, transfer students should work with a Physics advisor to determine a plan for taking Physics 240 and 260, as well as a Natural Science course during the Junior or Senior year *unless such a course has been accepted for transfer credit*. The student must be sure to complete three 4-credit 300-level courses and two 2-credit courses during the Junior or Senior year.

\*\*As an equivalent to PHYS 260, the Physics Department will accept an introductory thermal physics course that includes statistical mechanics in its course description for transfer credit into the major.

\*\*\*One 300-level course that has been accepted for transfer credit as a Physics equivalent may count towards the Physics major.

**Suggested Schedule for the Physics Major placing in MATH 151\*:**

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester (Spring)	Either Semester
First Year	FS 101 PHYS 110 MATH 151	FS 102 PHYS 120 MATH 152	

Sophomore	PHYS 210 MATH 211 FSPHY 201	PHYS 260** PHYS 3XX***	100-level natural science course (CHEM 119+120, CS, Geology, Neuroscience, Biology)
Junior Senior	PHYS 3XX	PHYS 580	PHYS 3XX or PHYS 4XX
Senior	PHYS 600	PHYS 610	PHYS 3XX or 4XX

**\*Notes for Transfer Students:**

1. *Students who transfer into the sophomore year* and have had an introductory physics course with Calculus with a prerequisite or corequisite can enter this sequence at the Sophomore level.
2. *Students who transfer into the Junior year* can enter this sequence at the Junior level if they have had an introductory physics course with Calculus as a prerequisite or corequisite, have had the equivalent to Math 211, and have had an introductory course in *Quantum Physics, Quantum Mechanics, Atomic Physics, or Atomic Physics*. To satisfy major requirements, transfer students should work with a Physics advisor to determine a plan for taking Physics 240 and 260, as well as a Natural Science course during the Junior or Senior year *unless such a course has been accepted for transfer credit*. The student must be sure to complete three 4-credit 300-level courses and two 2-credit 400-level courses during the Junior or Senior year.

\*\*In place of Physics 260, the Physics Department will accept an introductory thermal physics course that includes statistical mechanics in its course description for transfer credit into the major.

\*\*\*One 300-level course that has been accepted for transfer credit as a Physics equivalent may count towards the Physics major.

Suggested Schedule for the **Physics Major starting in MATH 152\***:

	1 <sup>st</sup> Semester (Fall)	2 <sup>nd</sup> Semester	Either Semester
First Year	FS 101	FS 102	

	MATH 152 PHYS 110	PHYS 120 MATH 211	
Sophomore	PHYS 210 MATH 280 FSPHY 201	PHYS 240 and/or 260** PHYS 3XX***	100-level natural science course (CHEM 119+120, CS, Geology, Neuroscience, Biology)
Junior Senior	PHYS 3XX	PHYS 240 and/or PHYS 360** PHYS 580	PHYS 3XX and/or 4XX
Senior	PHYS 600	PHYS 610	PHYS 3XX and/or 4XX

**\*Notes for Transfer Students:**

1. *Students who transfer into the sophomore year* and have had an introductory physics course with Calculus with a prerequisite or corequisite can enter this sequence at the Sophomore level.
2. *Students who transfer into the Junior year* can enter this sequence at the Junior level if they have had an introductory physics course with Calculus as a prerequisite or corequisite, have had the equivalent to Math 211, and have had an introductory course in *Quantum Physics, Quantum Mechanics, Atomic Physics, or Atomic Physics*. To satisfy major requirements, transfer students should work with a Physics advisor to determine a plan for taking Physics 240 and 260, as well as a Natural Science course during the Junior or Senior year *unless such a course has been accepted for transfer credit*. The student must be sure to complete three 4-credit 300-level courses and two 2-credit 400-level courses during the Junior or Senior year.

\*\*In place of Physics 260, the Physics Department will accept an introductory thermal physics course that includes statistical mechanics in its course description for transfer credit into the major.

\*\*\*One 300-level course that has been accepted for transfer credit as a Physics equivalent may count towards the Physics major.

**Additional Advising Notes:**

- **A student can still major in physics after taking the Physics 101/102 sequence in place of Physics 110/120.**

- While a student may still complete the Physics Major in four years without taking any physics courses during their first year, scheduling is easier when starting with physics in the first year.
- It is very important that Pre-Health students complete Physics 101 and Physics 102 by Fall semester of the third year, so that they will have taken Physics 102 before the MCATs.
- Well-prepared students with AP credit in physics (with a grade of 4 or 5) may skip Physics 110 (or 101) but should consider starting with Physics 120 (or 102) in their first year.
- Well-prepared students with AP or other college credit in both physics and math should consult with a physics faculty member before registering for physics courses
- Some students may take Math 211 and 365 in place of Mathematical Physics (Physics 272); please consult with physics faculty when considering this option.

### **Physics Minors:**

Students planning on minoring in Physics must take a minimum of 20 credits in the Physics Department, including Physics 110, 120 (or 101, 102) and Physics 210. Four credits must be at the 300 or 400 level. A minimum of 8 credits must be taken at Allegheny. Physics 101 and 110 are offered fall semester every year, Physics 102 and 120 are offered spring semester every year.

It is strongly recommended that Physics minors complete Physics 110 and 120 by the end of the sophomore year, or 101 and 102 by the end of the first semester junior year. Transfer credit is accepted for PHYS 101 and 102 if the course transferred is an introductory course with Calculus as a prerequisite or corequisite. It is recommended that minors complete Physics 210 by the end of the fall semester senior year. Transfer credit is accepted for PHYS 210 if the course transferred includes an introduction to quantum mechanics and atomic physics (with a Calculus based introductory physics course as a prerequisite).

### **Astronomy Minors:**

Students planning on minoring in Astronomy must take a minimum of 22 credits.

Requirements: MATH 141 or MATH 151, PHYS 101 or PHYS 110, PHYS 121 (or, with permission of department, PHYS 021), PHYS 320, PHYS 420, and one of the following courses or course sequences: CHEM 120 and CHEM 122, GEO 110, PHIL 230, PHYS 102 or any higher-level Physics course. Physics 101 and 110 are offered fall semester every year and Physics 102 and 120 are offered spring semester every year. It is strongly recommended that Physics minors complete Physics 110 and 120 by the end of the sophomore year, or 101 and 102 by the end of the first-semester junior year. Transfer credit is accepted for PHYS 101 and 102 if the course transferred is an introductory course with Calculus as a prerequisite or corequisite.

## **Political Science (First Year and Transfer)**

**Area of Study:** Social and Behavioral Science

**When advising a student interested in Political Science, please note:**

- The introductory courses are POLSC 110, 120, 130, and 140
  - For the major, two introductory courses are required and three may count toward the major. First year students should begin by taking both introductory courses, ideally one in each semester of the first year. (Students are strongly encouraged to complete these by the end of the fourth semester.)
  - For a minor, one introductory course is required.
  - A 4 or a 5 score on AP exams in American or Comparative Government may substitute for one of the introductory courses.
- The Department is divided into five subfields: Culture and Politics, Globalization and Transnational Politics, Institutions and Processes, Policy Studies, and Problems in Democracy.
  - A first year student may begin to complete three courses in two categories listed above. 200-level courses are open to first year students. In general, introductory courses should be taken before 200-level courses.
    - Special topics courses will be assigned to categories by writing them in by hand and will "count" toward the categories requirement
- Students interested in...
  - international affairs are encouraged to include foreign language study and take the 120 and 130 introductory courses.
  - pre-law may consult the Pre-Legal Guidelines of the Advisor's Handbook, contact Erin O'Day-Frye in the Maytum Center for Student Success, or see Prof. Brian Harward.
- We encourage first year students to attend the many programs sponsored by the Center for Political Participation (CPP) and consider applying to the Law and Policy program, run by the CPP.

Please contact Professor Kirschner for more information about the major and minor in Political Science.

Suggested Schedule for Political Science Majors:

	<b>1st Semester</b>	<b>2nd Semester</b>
First Year	FS 101  One intro class (POLSC 110, 120, 130, 140)	FS 102  One intro class (POLSC 110, 120, 130, 140) and  One 200-level class if desired

## Information for Transfer Students

<b>Transferring after one year</b>		
<p>We expect students transferring to Allegheny after attending one year at another institution may have one introductory course; in some cases, they may also be transferring in a 2nd introductory course and/or a 200-level course.</p> <p>Below you will find a roadmap of the Political Science major and minor requirements as you make progress towards your degree at Allegheny College</p>		
	<b>MAJOR</b>	<b>MINOR</b>
<b>Year 1 at Allegheny</b>	<ul style="list-style-type: none"> <li>● Complete remaining <b>POLSC 100-level</b> introductory courses (majors need 3 from POLSC 110, 120, 130, 140)</li> <li>● Take 1-2 <b>POLSC 200-level</b> courses</li> <li>● Some students enroll in a <b>POLSC 300/400-level</b> course, particularly in the <b>2<sup>nd</sup> semester</b></li> </ul>	<ul style="list-style-type: none"> <li>● Complete <b>POLSC 100-level</b> introductory course if necessary (minors need 1 from POLSC 110, 120, 130, 130)</li> <li>● Take 1-2 additional courses at the <b>POLSC 100/200-level</b></li> </ul>
<b>Year 2 at Allegheny</b>	<ul style="list-style-type: none"> <li>● Take 1 <b>POLSC 200-level</b> course if desired</li> <li>● Take 2-3 <b>POLSC 300/400-level</b> courses (majors need 3)</li> <li>● Enroll in <b>POLSC Junior Seminar</b> (580-587)</li> <li>● Some students take 2-credit <b>POLSC 600</b>, Senior Project Proposal in the <b>spring</b> of this year</li> </ul>	<ul style="list-style-type: none"> <li>● Take 1-2 <b>POLSC 300/400-level</b> courses (minors need 2)</li> </ul>

<b>Year 3 at Allegheny</b>	<ul style="list-style-type: none"> <li>• Complete required 3 courses at the <b>POLSC 300/400-level</b></li> <li>• Enroll in <b>POLSC Junior Seminar</b> (580-587) in the Fall if necessary</li> <li>• Take <b>POLSC 600</b>, Senior Project Proposal in <b>Fall</b></li> <li>• Complete <b>POLSC 610</b>, Senior Project in <b>Spring</b>; students enrolled in POLSC 600 as juniors will complete POLSC 610 in the Fall</li> <li>• Take any remaining POLSC courses to reach major requirement of <b>46 credits</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complete required 2 courses at the <b>POLSC 300/400-level</b></li> <li>• Take any remaining POLSC courses to reach minor requirement of <b>20 credits</b></li> </ul>
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<b>Transferring after two years</b>		
<p>We expect students transferring to Allegheny after attending two years at another institution may have at least two introductory courses and may also be transferring in a 200-level course. It is also possible to complete the major in two years with fewer transfer credits in Political Science</p>		
	<p style="text-align: center;"><b>MAJOR</b></p>	<p style="text-align: center;"><b>MINOR</b></p>
<b>Year 1 at Allegheny</b>	<ul style="list-style-type: none"> <li>• Complete remaining <b>POLSC 100-level</b> introductory courses (majors need 3 from POLSC 110, 120, 130, 140) in <b>1<sup>st</sup></b> semester</li> <li>• Take 1-3 <b>POLSC 200-level</b> courses</li> <li>• Take at least 1 <b>POLSC 300/400-level</b> course (majors need 3)</li> <li>• Enroll in <b>POLSC Junior Seminar</b> (580-587)</li> </ul>	<ul style="list-style-type: none"> <li>• Complete <i>POLSC 100-level</i> introductory course if necessary (minors need 1 from POLSC 110, 120, 130, 130) in <b>1<sup>st</sup></b> semester</li> <li>• Take 1-3 additional courses at the <b>POLSC 200-400 level</b></li> </ul>

<p><b>Year 2 at Allegheny</b></p>	<ul style="list-style-type: none"> <li>● Complete requirement to take 3 courses at the <b>POLSC 300/400-level</b></li> <li>● Enroll in <b>POLSC Junior Seminar</b> (580-587) in Fall if it wasn't taken the prior year. Students who entered with fewer transfer credits in POLSC may wish to pursue this option.</li> <li>● Take <b>POLSC 600</b>, Senior Project Proposal in <b>Fall</b></li> <li>● Complete <b>POLSC 610</b> Senior Project in <b>Spring</b>; students enrolled in POLSC 600 as juniors will complete POLSC 610 in Fall</li> <li>● Take any remaining POLSC courses to reach major requirement of <b>46 credits</b></li> </ul>	<ul style="list-style-type: none"> <li>● Take 1-2 <b>POLSC 300/400-level</b> courses (minors need 2)</li> <li>● Take any remaining POLSC courses to reach minor requirement of <b>20 credits</b></li> </ul>
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## Psychology

**Area of Study:** Social and Behavioral Science

**Major/Minor Exclusion:**

A student minoring in Psychology may not major in Neuroscience.

When advising a student interested in Psychology, please note the following:

- Entering students may take any 100-level course; however care should be exercised regarding enrollment in Psych 110, which can be a challenging course for first-semester, first-year students. Psych 110 is recommended for students who have demonstrated success in AP/IB/college-level courses (earning a 4 or 5 on AP exams, transfer credit for Science/Math). There are an increased number of seats being held for first-year students in the other 100-level courses and suggest that advisors steer students to those courses.
- Psychology 110 is required for both the major and the minor. This course may be taken at any point in the students college career. It can benefit students who take the MCAT to take Psych 110 the semester prior to the MCAT.
- FSPSY201 is not required for the major and, at this point, is NOT being offered; Psychology majors need to take a non-Psych FS201.
- Psych 206 is required for minors and majors; Psych 207 is required for majors. It is best if the student begins the Statistics and Research Design sequence (206/207) in the Sophomore year. It is fine for students to take psych 110 the Sophomore year along with 206 or 207.
- Three upper level courses (300 or 400) are required for majors, one of which must be designated as a Structures of Power and Privilege (SPP) course.



- Junior Seminars are signature courses, so students should decide which seminar they wish to take late in their Sophomore year and then speak to the professor who is teaching that course, even if it is planned for the spring of the Junior year.
- Students can begin independent studies (Psych 590) as early as their sophomore year. To determine what opportunities are available, students should contact professors doing research in the department.
- Internships are usually taken Junior or Senior year. Psychology 540 is a co-requisite for all clinical internships.

Suggested Course Sequence for a **Major in Psychology**

	<b>1st Semester</b>	<b>2nd Semester</b>	<b>Either Semester</b>
<b>First Year</b>	FS 101	FS 102	Two 100-level courses  Note that Psych 110 may not be appropriate for all first-year students; students should consider taking Psych 110 in the sophomore (or later) year.
<b>Sophomore</b>	PSYCH 206	PSYCH 207	At least 1 core course  Psych 110 (it is fine to take this at the same time as 206 or 207)
<b>Junior</b>			Complete core course requirement  At least 1 advanced topics course  Jr. Seminar
<b>Senior</b>			Complete advanced topics requirement  PSYCH 600/610, or 620

Required courses for a **Minor in Psychology**:

Minor Requirements: 20 credits, including

- Psych 110 (avoid this in the first semester; consider taking it in the sophomore or later year)
- Psych 206

- One course from each of two Core Area categories (150s, 160s, 170s) NOTE: This is a good place to start the minor
- One course from those numbered in the 300s or 400s

NOTE: For students who are transferring in one or more of these courses, please make sure they understand that if they receive 3 credits (instead of 4) per course, they still will need a total of 20 credits in Psychology to earn the minor.

## Religious Studies (First Year and Transfer)

**Area of Study:** Values and Societies

**Discontinued Program:** Religious Studies Major (last in 2021-2022 Bulletin)

Now housed in History

Program Faculty: Krone (Program Coordinator), Delgado, Mitchell

When advising a student interested in Religious Studies, please note the following:

**Entering and other students can't go wrong with any 100 level course.**

**\*Offered Fall 2022**

- RELST 100, Religion in a Global Context
- **\*RELST 130 The New Testament**
- **\*RELST 140 Islam: Faith, History and Culture** serves a role in the International Studies major, MENA minor
- RELST 144 Modern Islamic Movements serves a role in the History major and minor, International Studies major, MENA minor
- RELST 146 Islam in America serves a role in the Black Studies minor
- RELST 147 Judaism serves a role in the International Studies major, Jewish Studies minor, MENA minor
- RELST 150 Religious Traditions of India
- **\*RELST 160 Buddhism** serves a role in the Chinese Studies minor, International Studies major
- RELST 164 Japanese Religions from A to Zen serves a role in the International Studies major
- RELST 170 Religions of China serves a role in the Chinese Studies minor, the International Studies major
- **\*RELST/BLKST 174 Black Faith and Thought** (previously RELST 173 which counts for the Black Studies minor)
- RELST 175 Contemporary Religious Traditions
- RELST 180 Religion in American Life serves a role in the Jewish Studies minor

**200-level courses should be accessible without prior preparation to entering first year students with stronger than average writing and reading skills.**

- **\*RELST 200 Christian Ethics**

- RELST 204 Introduction to the Sociology of Religion
- RELST 215 Marriage and Sexuality in Islam (counts for the MENA minor)
- RELSLT 223 TheQur'an (counts for the MENA minor)
- **\*RELST 225 Global Religious Education** (counts for the Education Studies minor)
- RELST 229 Hebrew Bible (counts for the Jewish Studies minor)
- RELST 250 Medieval and Reformation Christianity
- RELST 288 Jewish Meadville (counts for the Jewish Studies minor)

**The Minor in Religious Studies** consists of at least 20 credit hours, including RELST 100, one course above the 100-level and another above the 200 level and two of four different religious traditions described below.

**Judaism:**

- RELST 147, Judaism
- RELST 229, The Hebrew Bible
- RELST 288, Jewish Meadville
- RELST 341, Jewish Ethics
- RELST 372, Judaism, Justice, and Food

**Christianity:**

- RELST 130, The New Testament
- RELST 174, Black Faith and Thought **OR**
- BLKST 174, Black Faith and Thought
- RELST 200, Christian Ethics
- RELST 250, Medieval and Reformation Christianity
- RELST 350, Paul the Apostle
- RELST 374, Black Theology **OR**
- BLKST 374, Black Theology

**ISLAM:**

- RELST 140, Islam: Faith, History, and Culture
- RELST 144, Modern Islamic Movement
- RELST 146, Islam in America
- RELST 215, Marriage and Sexuality in Islam
- RELST 222, The Qur'an

**India/China/Japan**

- RELST 150, Religious Traditions of India
- RELST 160, Buddhism

- RELST 165, Japanese Religions from A to Zen
- RELST 170, Religions of China

## Information for Transfer Students

A **Religious Studies minor** is easily completed in two years. It consists of at least 20 credit hours, including one course above the 100 level and another above the 200 level and two of four different religious traditions.

- Judaism: 120, 147, 229, 288, 341, 372
- Christianity: 130, 173, 200, 250, 350, 373
- Islam: 140, 144, 146, 215, 222
- India/China/Japan: 150, 160, 165, 170

Specific courses may appear in multiple traditions, but double-counting courses for multiple traditions is not permitted.

### Transfer Credits

An issue to consider for transfer credits: 3-credit transfer courses with a similar description and course content will be accepted to fulfill a 4-credit requirement in Religious Studies. However, a student must still meet the minimum number of credit hours required for the minor, which might necessitate taking or transferring elective courses in Religious Studies.

Students transferring to Allegheny College who wish to consult on courses should feel free to ask questions of the program's coordinator (Adrienne Krone, [akrone@allegheny.edu](mailto:akrone@allegheny.edu)) to informally discuss courses that may transfer.

## Women's, Gender, and Sexuality Studies (First Year and Transfer)

**Area of Study:** Interdisciplinary Studies

Things to keep in mind:

- WGSS core courses are offered every semester as are every semester and there are multiple ways to enter into the program, especially at the 100 and 200 level.
- Students will work with advisors to take advantage of the flexibility of the program as there are multiple pathways that could be followed.

Note: please remember that consulting with an advisor early and often is the best way to move through a WGSS major, especially because the major is flexible and courses are offered in a variety of programs and departments.

## **Big Picture:**

WGSS major = 10 classes (40 credits)

- 6 core classes = WGSS 100, WGSS 210 or 211, WGSS 300, WGSS 400, WGSS 580, WGSS 620
- 4 electives = many choices across a variety of departments
- WGSS 580: Junior seminar = usually in taught spring

## **A Pathway forward for a WGSS major**

First year: Fall and Spring: WGSS 100, any 200-level

+Elective(s)

Recommended credits in major: 8 to 12 = two to three 4 credit courses

Second year: Fall and Spring: WGSS 100, and 200-level class, and 300 is possible

+Elective(s)

Recommended credits: 8-12 = two to three 4 credit classes

Third year: Fall: 200-, 300, and 400 level courses

Spring: WGSS 580

+Elective(s)

Recommended credits: 8-12 = two to three 4 credit courses

Fourth year: Fall and Spring: add in 620

+Elective(s)

Recommended credits: 8 credits = two 4 credit classes

**Total credits needed for WGSS major = 40 credits = 10 classes**

**6 Core WGSS + 4 Electives from across departments and programs.**

## **WGSS Minor**

Things to keep in mind:

- WGSS core courses are offered every semester as are every semester and there are multiple ways to enter into the program, especially at the 100 and 200 level.
- Students will work with advisors to take advantage of the flexibility of the program as there are multiple pathways that could be followed.

Note: please remember that consulting with an advisor early and often is the best way to move through a WGSS minor, especially because the minor is flexible and courses are offered in a variety of programs and departments.

### **Big Picture:**

WGSS minor = 6 classes (24 credits)

- 4 core classes = WGSS 100, WGSS 210 or 211, WGSS 300, WGSS 580
- 2 electives = many choices across a variety of departments
- WGSS 580: Junior seminar = usually in taught spring

### **A Pathway forward for a WGSS minor**

First year: Fall and Spring: WGSS 100, any 200-level

+Elective(s)

Recommended credits in major: 4 to 8 credits = one to two 4 credit courses

Second year: Fall and Spring: WGSS 100, and 200-level class, and 300 is possible

+Elective(s)

Recommended credits: 4 to 8 credits = one to two 4 credit classes

Third year: Fall: 200, 300, and 400 level courses

Spring: WGSS 580

+Elective(s)

Recommended credits: 4 to 8 credits = one to two 4 credit courses

Fourth year: Fall: any 200, 300, and 400 level

Spring: WGSS 580

+Elective(s)

Recommended credits: 8 credits = two 4 credit classes

**Total credits needed for WGSS minor = 24 credits = 6 classes**

**4 Core WGSS + 2 Electives from across departments and programs.**

# Information for Transfer Students

## Transfer of credits chart

- Students who transfer to Allegheny College and who are interested in WGSS are likely to have taken courses that would fill the major requirements below, especially electives from other departments and perhaps introductory WS or WGSS classes and perhaps a theory class.
- Because electives, WGSS 100 and WGSS 300 are the classes that have transferred from other institutions in the last 5 years, here are some guidelines for you to see what classes might transfer toward a WGSS major or minor.

In order to fulfill the ...	... the course must cover ...
WGSS 100, Introduction to Women's, Gender, and Sexuality Studies	<ul style="list-style-type: none"> <li>• An introduction to key concepts and connections in the field of women's, gender, and sexuality studies</li> <li>• Focus on the connections between feminist and queer scholarship</li> <li>• Intersectional approaches to gender, class, race, sexuality, ability, religion, and nationality</li> </ul>
WGSS 300, Feminist and Queer Theory	<ul style="list-style-type: none"> <li>• A focus on feminist and queer theories and how they are in conversation with one another</li> <li>• Intersectional approach to gender, race, class, sexuality, and nationality</li> </ul>
Elective(s)	<ul style="list-style-type: none"> <li>• Electives in WGSS are flexible and offered in almost every department and major</li> <li>• If you've had classes in areas like women and policy, gender and the environment, literature and sexuality, it's quite possible that they will transfer in as an elective toward a WGSS major or minor</li> </ul>

# World Languages and Cultures

**Area of Study:** Languages, Literature, and Culture

**Discontinued Program:** Chinese Minor (last in 2021-2022 Bulletin)

When advising a student interested in World Languages and Cultures, please note:

- Students who have previous experience in a language that they would like to continue at Allegheny must take the placement test and may consult with members of the department for help

interpreting their results. They will begin our program in the course indicated by that progress; the paths through the programs that we lay out below will vary based on this and other factors.

- When a student is interested in continuing a language or beginning the study of a new one, the study should begin as early as possible in the student's college career.
- Students intending to major in International Studies or Global Health Studies should enroll in language study in the first year.
- Students learning a second language are encouraged to study abroad.
- Students pursuing a major should plan to take at least one course in the major each semester in the first two years, and two in the second two years.

In addition to the majors and minors described in detail below, WLC offers courses in

- **American Sign Language:** WLC 100 and 200. Contact the department for more information about these courses, which are generally not suitable for first-year students.
- **Latin:** See the Classical Studies Minor listed in the "Interdivisional Minor Program" section.
- **English for Speakers of Other Languages:** Listed under "WLC" rubric. These courses offer additional support for bilingual students or students for whom English is not their first language.
- **Chinese:** The Chinese minor was canceled in the staffing reductions in 2021-22. 2022 matriculants will not have the Chinese minor as an option. Chinese courses will continue to be offered through Spring 2024, but are intended for earlier matriculants (2021 and before) who are completing the minor; new students who express an interest in these courses should be directed to the Chair of World Languages and Cultures.

Questions may be directed to Briana Lewis, Chair of World Languages and Cultures (blewis@allegheny.edu, Ruter 102, 814-332-2322) or to the Section Heads for each language.

- Arabic: Reem Hilal (rhilal@allegheny.edu, Ruter 105, 814-332-3310)
- French: Briana Lewis (blewis@allegheny.edu, Ruter 102, 814-332-2322)
- German: Julia Ludewig (jludewig@allegheny.edu, Ruter 206, 814-332-2327)
- Latin: Judson Herrman (jherrman@allegheny.edu, Arter 202A, 814-332-4303)
- Spanish: Barbara Riess (briess@allegheny.edu, Ruter 107, 814-332-2323)

**The Majors available in World Languages and Cultures are French and Spanish**

Here is an example schedule for **French Majors placing in French 110/105/106:**

	1st Semester	2nd Semester	Either Semester
First-year	FS 101 French 110/106**	FS 102 French 120	



Sophomore	French 215	French 225	FSWLC 201
Junior (abroad)	French 305		300-level French coursework
Senior	French 600 French 580	French 610	Any remaining 300-level French coursework

**\*\*Advising notes for French 105/106**

- French 105 and 106 are Module A/B courses "stacked" with French 110, to allow students to take only the first or second half of this introductory course.
- Students who place into 110/105 and who are interested in a French major or minor (i.e., who are relatively certain to continue to 120) should be encouraged to enroll in the full-semester French 110 course, NOT French 105.
- French 105 (Module A, 2 credits) should be reserved for those who want a 2-credit course only, or who are uncertain about the full-semester course.
- Students who place into 110/106 theoretically have enough experience in French to skip the first half of 110; they may choose French 110 or begin at mid-semester by enrolling in French 106 (Module B, 2 credits). These students should be aware that the material in the first half of French 110 may be familiar, but they should not be forbidden or discouraged from taking the full-semester course if they prefer to.

Here is an example schedule for **French Majors placing in French 215:**

	1st Semester	2nd Semester	Either Semester
First-year	FS 101 French 215	FS 102 French 225	
Sophomore	FS 305		300-level French coursework FSWLC 201
Junior (abroad, semester or year)			300-level French coursework

Senior	French 600 French 580	French 610	
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Here is an example schedule for **Spanish Majors placing in Spanish 110:**

	1st Semester	2nd Semester	Either Semester
First-Year	FS 101 Spanish 110	FS 102 Spanish 120	
Sophomore	Spanish 215	Spanish 230/220 FSWLC 201	
Junior	Spanish 220/230 Spanish 225		300-level Spanish Courses
Senior	Spanish 600 (2 cr.) Spanish 580	Spanish 610	1 400-level Spanish

Here is an example schedule for **Spanish Majors placing in Spanish 215:**

	1st Semester	2nd Semester	Either Semester
First-year	FS 101 Spanish 215	FS 102 Spanish 220/230	
Sophomore	Spanish 225	Spanish 300-level FSWLC 201	Spanish 220/230

Junior			2 courses 300-level 1 course 400-level
Senior	Spanish 600 (2 cr.) Spanish 580	Spanish 610 1 400-level Spanish	

**Minors in World Languages and Cult:**

**Arabic:** The Minor requires completing a total of 24 semester hours of coursework, including 16 semester hours of coursework in the Arabic language, one 100-level culture course taught in English, and one course at the 300 level. *See also the Middle East and North Africa Studies Minor in the "Interdivisional Minor Program" section.*

Here is an example schedule for a student who minors in Arabic beginning in Arabic 110

	1st Semester	2nd Semester	Either Semester
First-Year	FS 101 Arabic 110	FS 102 Arabic 120	Arabic 130 (may be taken at at any time in the student's Allegheny career; is designed as in introduction
Sophomore	Arabic 215	Arabic 225	
Junior			A 300-level culture course (in English, but designed for experienced students); possible study abroad?
Senior			

**French Minor Requirements:** A minor in French requires completion of 20 semester credit hours in French, including FRNCH 305 and one other course numbered above 300. Students who test into the program at a higher level must complete 20 credits at the appropriate level for them.

Here is an example schedule for a student who minors in French beginning in French 110:

	1st Semester	2nd Semester	Either Semester

First-Year	FS 101 French 110/106**	FS 102 French 120	
Sophomore	French 215	French 225	
Junior	French 305		An additional 300-level French course; possible study abroad?
Senior			

**German Minor Requirements:** A minor in German requires completion of 20 semester credit hours in German, including at least eight credit hours on the 300-level. Students who test into the program at a higher level must complete 20 credits at the appropriate level for them.

Here is an example for a student who minors in German beginning in German 110:

	1st Semester	2nd Semester	Either Semester
First-Year	FS 101 German 110	FS 102 German 120	
Sophomore	German 250	300-level German coursework	
Junior			300-level German coursework; possible study abroad?
Senior			

**Spanish Minor Requirements:** A minor in Spanish requires the completion of a minimum 20 semester credit hours in Spanish, including Spanish 220, 230, and 225 and one course at the 300-level. Students who test into the program at a higher level must complete 20 credits at the appropriate level for them. If student places above this level have them contact the Spanish Section head to chart out their minor. *See also the Latin American and Caribbean Studies Minor listed in the "Interdivisional Minor Program" section.*

Here is an example schedule for a student who minors in Spanish beginning in Spanish 110:

	1st Semester	2d Semester	Either Semester
First-Year	FS 101 Spanish 110	FS 102 Spanish 120	
Sophomore	Spanish 215	Spanish 220/230	
Junior	Spanish 220/230	Spanish 225	Possible study abroad?
Senior			300-level Spanish course

# Appendices

## Pre-Legal Guidelines

When advising a student interested in Pre-Legal Education, please note the following:

- There is no "Pre-law Major" although the five most common undergraduate Majors for law students are History, Political Science, Economics, English and Psychology. Students should be encouraged to choose a Major that is challenging and interesting, one that compels him/her to develop skills and abilities beyond their current level.
- For intended practice in international law, students are strongly advised to develop fluency in at least one foreign language.
- Internships and job shadowing in the legal field are available in Meadville and through various programs in Washington, D.C. as well as in locations where alumni work and serve as attorneys.
- The basic skills of lawyering include: analysis, synthesis, advocacy, negotiation, writing, counseling/advising, and speaking.
- The Pre-Law Club and Law & Policy program are great ways to explore international and domestic legal/policy issues, network with alumni, and connect with like-minded peers. First-year students are encouraged to enroll in Law & Policy and become a member of the Pre-Law Club to have full access to all events and guest speakers. The Mock Trial team is coached by a local attorney and is another excellent way for first-year students to gain skills in public speaking, critical thinking, and forming a persuasive, cohesive argument which will set a strong foundation for law school.
- The Pre-Law Library, LSAT study materials, and information on law school application processes can be located in the Allegheny Gateway library, in the yellow node near the Career Education and Pre-Professional Studies offices.
- For more information contact Maytum Center for Student Success 814-332-2898.

### **A law student requires three basic qualities:**

#### **Skill in the use of language:**

Courses such as English 110, 208, 305, intermediate level courses in literature, rhetoric, and COMM 235 (Advanced Public Speaking) all contribute to the development of this skill.

#### **Knowledge of human institutions and values:**

Courses such as Political Science 110 and an Economics 100-level course, and ECON 285 are recommended. Psychology courses such as Human Social Behavior, Justice, and Research Design are also valuable.

#### **Creative power in thinking:**

Economics, computer science, logic, and math are all beneficial.

# Engineering Guidelines

## Advising for the Dual Degree Cooperative (3-2) Engineering Program

Allegheny College does not offer an Engineering Major. However, through cooperative arrangements with other universities students may obtain a Bachelor's degree in engineering and a Bachelor's degree in their Allegheny Major; hence the title, Dual Degree, also referred to as a "3-2" program. Students who participate in this program will complete their first three years at Allegheny, though in some cases students may elect to spend four years at Allegheny. After their junior (or senior) year, they enter the engineering program of one of the cooperating schools. Once they have completed the requirements of the engineering school, which typically takes two years, they will receive Bachelor's degrees from Allegheny and from the engineering school. (Neither degree is granted until the requirements of both Allegheny and the cooperating university have been met.)

## Cooperating Schools

- University of Pittsburgh
- Case-Western University (Cleveland)
- Washington University (St. Louis)

## Requirements

### *Allegheny Requirements*

During their time at Allegheny students must complete the College's graduation requirements, this includes completing a major, a minor, distributive, and FS requirements. Students who leave Allegheny and enter the engineering program after the junior year are exempted from the Senior Project requirement. Students who stay for their senior year are still required to complete the Senior Project.

### *Engineering School Requirements*

To meet the engineering school requirements students must take specific math and science courses and maintain a specified grade point average (overall and in the required courses) that varies from school to school. While the required courses vary slightly among the cooperating universities and may also depend upon what field of engineering the student chooses to pursue, they all include 3-5 math courses, depending on first-year placement; 2 physics courses (PHYS 110 & 120 or PHYS 101 & 102); a chemistry course (CHEM 120); and a computer programming course (CMPSC 111 or PHYS 280). **For more specific requirements students need to consult with the Cooperative Engineering Coordinator.**

## Advising for entering first-year students interested in engineering:

Incoming first-year students interested in engineering should enroll in either Math 140, 141, 151, or 152, depending on placement, in the fall of their first year. **If they placed in Math 141 or higher, they should**

**also take PHYS 110 their first semester.** If they placed into Math 140 they might consider also taking CMPSC 100.

## **FAQ for Engineering**

*What courses should students in the dual degree program take their first year?*

As students need to complete the cooperating school's requirements during their first three years (unless they opt to stay for four years at Allegheny) it is important that they begin taking the required courses as soon as possible. **This means that it is essential that students interested in the program enroll in the math class recommended by the placement exam, either Math 140, 141, 151, or 152 in the fall semester of their first year. Students placing in Math 141 or higher should also enroll in PHYS 110 in the fall.** Second semester students should continue to the next math and physics courses. CHEM 120 is also required, but that does not need to be taken the first year. Any questions regarding course selection should be directed to the Cooperative Engineering Coordinator.

*Can students declare a "Pre-Engineering" Major?*

No, this is not an option at Allegheny. Students must declare and complete an approved Allegheny Major during their three (or four) years here.

*What is the best Major for the dual degree program?*

The cooperating schools do not require a particular major, only that you complete the required courses and attain the specified GPA. However, given the overlap between the program requirements and departmental major requirements, it is generally easier to complete certain majors. In particular, students considering civil, mechanical, aeronautical, or electrical engineering should consider majoring in either physics or mathematics. Those interested in chemical engineering should consider chemistry as a major.

*When does a student have to commit to the dual degree program?*

Students begin formal application to the program during the fall or spring of their junior or senior year, but there is no actual commitment until the student enrolls in the cooperating school's engineering program. However, students interested in engineering should meet with the Cooperative Engineering Coordinator during their first semester and as needed after that.

*Are there other options for students interested in engineering?*

Yes, there are several. Within the cooperative programs there is an option to also apply for an accelerated Master's program which typically requires another year, beyond the two years usually required for the Bachelor's degree. Another option that Allegheny students regularly pursue is to bypass the Bachelor's in engineering degree and during their senior year apply directly from Allegheny to Master's in engineering programs at schools of their choice. Students who graduate from Allegheny with a BS in Math, Physics, or Chemistry and a strong academic record are regularly accepted into MS programs at a range of engineering schools. Consult with the Cooperative Engineering Coordinator for details.



### *Contact*

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## **Pre-Health Guidelines**

### **First-Year Course Registration Advice for Students Interested in the Health Professions**

Students interested in health professions (human medicine, dentistry, veterinary medicine, nursing, PA, PT, OT, pharmacy, etc.) have many curricular options. Although there are certain courses students must take to prepare for the MCAT exam or to be considered for admission to health science post-graduate programs, pre-health students can major in any discipline, not just the natural sciences. Detailed information about pre-health programs and the support Allegheny provides for pre-health students can be found at <http://sites.allegheny.edu/health>. Students interested in pre-health professions should arrange to meet with the pre-health advisor in the Center for Student Success early in their first year to discuss their specific interests.

**If you are a pre-health student, you should enroll in courses that are intrinsically interesting to you while adhering to the following guidelines:**

#### **1. Math courses:**

1. If you place into MATH 151 or higher, take MATH 151 or the higher level course into which you have placed.
2. If you place into MATH 140, and if you are interested in majoring in biochemistry, chemistry, geology, mathematics, or physics, take MATH 140 in the Fall followed by MATH 141 in the Spring. You will then need to take MATH 152.
3. If you are not interested in one of the Majors mentioned above, then taking MATH 140 and 141 will be sufficient. You may, of course, continue, but you will not need to do so for your Major or to satisfy a medical school requirement

#### **2. Introductory Chemistry:**

1. If you place into MATH 151 or higher and are considering a Major in biology, biochemistry, neuroscience, or chemistry, take introductory chemistry in the fall (CHEM 120). If you are not interested in majoring in these areas and there are other fall courses that interest you more, you may defer CHEM 120 to the spring semester.
2. If you place into MATH 140, you will need to complete the course with a C or better to be allowed to take CHEM 120 in the second semester. You should be enrolled in MATH 141 when you take CHEM 120.

**3. Biology:** If you are planning to Major in Biology, you may begin taking biology classes as soon as you wish. If you plan to major in another discipline, then take the biology courses as your schedule allows.

**4. English Literature:** English literature is a requirement for medical professional schools, and we recommend that you complete it as soon as your schedule allows, and no later than the end of your sophomore year. Many first and second year students find that a literature course (English 110, 111, 112, 113, 114, 115, 116, 117, or 118) provides welcome variety to their schedule, which is often heavily weighted in the sciences.

**5. Psychology:** The current MCAT includes a behavioral science section. Additionally, behavioral science courses are required for some professional school programs. Our students have found PSYCH 162 (Human Social Behavior) to be especially helpful in preparing for the MCAT. Other helpful courses for the MCAT include PSYCH 110 and PSYCH 172.

Sample First-Year Schedules for Pre-Health Students		
<b>Pre-Health Students Beginning in MATH 140</b>	<b>Fall of First-Year</b>	<b>Spring of First Year</b>
	FS 101	FS 102
	MATH 140	MATH 141
	BIO 220	CHEM 120
	Elective*	Elective*
<b>Pre-Health Students placing in MATH 151--Biochem., Chem., Math, Physics, Geo. Majors</b>	<b>Fall of First-Year</b>	<b>Spring of First-Year</b>
	FS 101	FS 102
	MATH 151	MATH 152
	CHEM 120	CHEM 122
	Elective*	BIO 220 or elective

<b>Pre-Health Students placing in MATH 151--Biology, Neuro Majors</b>	<b>Fall of First-Year</b> FS 101  MATH 151  CHEM 120  Elective*	<b>Spring of First-Year</b> FS 102  CHEM 122  BIO 220  Elective*
<b>Pre-Health Students placing in MATH 151--all other Majors</b>	<b>Fall of First-Year</b> FS 101  MATH 151  Elective (or start CHEM 120)  Elective (or start BIO 220)	<b>Spring of First-Year</b> FS 102  CHEM 120 (or CHEM 122 if CHEM 120 is taken 1 <sup>st</sup> semester)  Elective or BIO 220  Elective

\*Consider taking English 110, 111, 112, 113, 114, 115, 116, 117, or 118

## Academic Alerts

### When Should An Instructor/Advisor Submit an Academic Alert?

Course instructors and academic advisors are expected to submit academic alerts to Student Success when they have concerns about a student in one of their courses, or about one of their advisees. Student Success partners with the student's advisor(s) to respond appropriately.

Please send an Academic Alert if you observe any of the following behaviors:

- Two or more class absences within the space of two or three weeks.
- Failure to attend class for ill-defined reasons (e.g., "I didn't feel well so stayed in bed"), suggesting that a student is having other difficulties.
- Poor performance (C- or below) on tests, essays, assignments, or in class activities.
- Failure to submit assignments.
- Sudden negative changes in the quality of a student's work.

- Disengagement from the course or other behaviors, suggesting that the student may be in need of assistance.

Please note that you can submit more than one Academic Alert for the same student. If you have already submitted an Academic Alert for a student in your course and then have further reason for concern (for example, failure of a second major examination or continued class absences), please submit a second Academic Alert, or a third, or a fourth! The information in Academic Alerts is an important tool in our efforts to retain students and support student success at Allegheny.

Please send an Academic Alert by September 30 in the Fall semester for any student who is consistently completing less than C level work.

Another important deadline is the deadline for a student to request a Student-Initiated Withdrawal (“X”) from a course. Please speak directly with students who are unlikely to pass your course prior to this deadline and then follow up with an Academic Alert. Please allow enough time for the student to have additional conversations with their advisor(s), Class Dean, and/or the Student Success professional staff.

### **How Should Advisors Respond to Academic Alerts?**

Academic Alerts are an indication that there is cause for concern about a student’s academic performance. Hopefully, the scale and nature of that concern will be conveyed by the Academic Alert comments. How an advisor responds depends on the nature of the circumstances, what the advisor knows about the student, and what the instructor suggests as a recourse. Having said that, there are several guidelines that we ask advisors to please observe.

- First-year students probably need more direct attention than upper-class students (please see below).
- Students who are on Academic Warning, Academic Probation, or Poor Academic Standing probably need more direct attention than students who are in Good Academic Standing with the College.
- Students who appear to not be communicating with their instructor(s), Class Dean, or Student Success probably need more direct attention than those who are communicating, but in those cases, e-mail is unlikely to be effective.
- If a student is receiving multiple Academic Alerts, either in multiple classes, or in the same class, they probably need more direct attention than a student who receives a single Academic Alert.
- Please make sure to copy [studentsuccess@allegheny.edu](mailto:studentsuccess@allegheny.edu) on your e-mail messages, so that the Class Deans and the professionals in Student Success are aware of your outreach and so that everyone is having the same conversation.
- If you see the student regularly, in class or in some other setting, a personal interaction is often more effective than an e-mail. However, those personal conversations still need to be briefly documented so that everyone is having the same conversation.

In every case, these are suggestions, not strict rules. Again, how an advisor responds depends on the nature of the circumstances, what the advisor knows about the student, and what the instructor suggests as

a recourse.

### **Academic Alerts That Suggest a Student “X” a class**

- When **any student** receives an **Academic Alert recommending the student take a Student-Initiated Withdrawal (“X”)** in the class, the **advisor should follow up** since the advisor will need to fill out the Advisor portion of the X form and is responsible for monitoring a student’s academic progress toward graduation.
- Before approving a Student-Initiated Withdrawal, the advisor should consider the following:
  - Is the student a senior?
    - check the Degree Audit to see if the student needs this particular course or the credits to graduate
  - Is the student on any type of academic warning or probation? Check the terms of their warning. Will dropping this course affect this?
  - Will the X drop a student below 12 credits (full-time status)?
    - athletic eligibility is based on full-time status
    - financial aid is NOT recalculated mid-semester
- Please make sure you [copystudentsuccess@allegheny.edu](mailto:copystudentsuccess@allegheny.edu) on your message to the student, so that everyone is in the loop.

### **End-of-Semester Academic Alerts**

End-of-semester Academic Alerts can be vitally important. You should submit an Academic Alert for each student who earns the following grades in one of your courses: C-, D+, D, F, or NC.

You should also submit an Academic Alert for every grade of Incomplete (IN) and for every instance in which you granted a “Withdrawal for Extenuating Circumstances” (W). For grades of IN, you should report the grade to which the record will default if the student fails to complete the work. For grades of IN and W, you should briefly report the circumstances that lead you to award that grade.

For those students who are facing Academic Suspension or Dismissal, the Academic Alert record is included in the materials reviewed by the Academic Awards and Standards Committee. It is vitally important, therefore, that Academic Alerts for students be submitted NO LATER than one week after the final grading deadline for the semester.

### **Record Keeping and Student Privacy**

Academic Alerts are part of a student’s educational record and are subject to FERPA. The contents of Academic Alerts are confidential and should not be shared outside the circle of school officials with a legitimate educational interest to know the information. Students do not receive a copy of the instructor’s comments and you should not share the verbatim comments with them. It is acceptable to paraphrase, but instructors may include notes for professional staff that are not for students. HOWEVER, please be aware that a student has the right to inspect their educational record so long as they follow published guidelines, so please write in the knowledge that a student COULD one day read what you write. Instructor comments and observations should be kept to academic and associated matters.

### **What Academic Alerts cannot do**

The Academic Alert is a useful tool, but it has limitations. Academic Alerts go to the Class Deans and Student Success staff (and coaches where applicable) only. They do not go directly to the Dean of Students, Residence Life, the Counseling and Personal Development Center, the Registrar, Career Education, Public Safety, etc. The Class Deans and Student Success staff reroute matters of concern during business hours as appropriate. In the case of emergency safety and concern situations, faculty should call Public Safety (814-332-3357)

**Questions concerning Academic Alerts should be directed to:**

Erin O'Day-Frye, Senior Associate Dean for Student Success, [eoday@allegheny.edu](mailto:eoday@allegheny.edu)

## Registrar's Office Forms

The Registrar is responsible for maintaining academic records, candidate certification for bachelor's degree, record distribution, grade reports, ordering diplomas, registration and course schedules. You should visit the Registrar's Office website, if you need the following:

### [Credit/No Credit](#)

Major/Minor Forms

- [Declare Major/Minor Form](#)
- [Change Major Form](#)
- [Change Minor Form](#)

### [Change in \*Academic Bulletin\* Form](#)

### [Course Conflict Form](#)

### [Self Designed Major/Minor Forms](#)