

**Biology Department  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

**College Core Requirements**

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Department Core Required:**

BIO 101Q \_\_\_\_\_ BIO 102Q \_\_\_\_\_

BIO 201W \_\_\_\_\_ BIO 415W \_\_\_\_\_

Distribution Courses: One course from each group

Molecular/Cellular: Bio 220, Bio 225, Bio 328, Bio 333, Bio 345, Bio 346, Bio 351, Bio 425W, Bio 426W, Bio 428W, Bio 429W, Bio 431W, Bio 433W, Bio 435W, Bio 444, Bio 449W, Bio 459W **or** BCMB 351

BIO/BCMB \_\_\_\_\_ BIO/BCMB \_\_\_\_\_

Animal Biology: Bio 305, Bio 306, Bio 325, Bio 359, Bio 365, **or** Bio 442W

BIO \_\_\_\_\_ BIO \_\_\_\_\_

Plant Biology: Bio 234 **or** Bio 334

BIO \_\_\_\_\_ BIO \_\_\_\_\_

Population/Ecology: Bio 310, Bio 320, Bio 324, Bio 330, Bio 336, Bio 415W **or** Bio 455W

BIO \_\_\_\_\_ BIO \_\_\_\_\_

Capstone Courses: Bio 415W, Bio 424W, Bio 425W, Bio 426W, Bio 429W, Bio 431W, Bio 433W, Bio 435W, Bio 442W, Bio 433W, Bio 444W, Bio 449W, Bio 455W, Bio 459W, Bio 492W, **or** BCMB 452W

BIO/BCMB/ENV/NEUR \_\_\_\_\_

**And choice of these two Chemistry options:**

CHEM 107 \_\_\_\_\_ CHEM 107LQ \_\_\_\_\_

**OR**

CHEM 108 \_\_\_\_\_ CHEM 108 L \_\_\_\_\_

GEOL 102Q **OR** 105Q \_\_\_\_\_

PHYS 100Q **OR** 111Q \_\_\_\_\_ (a year of physics is recommended)

**Two of the Following:**

MATH 111 or 112, STAT 141Q, 242, STAT 243W, & CS 173

MATH/STAT/CS \_\_\_\_\_ MATH/STAT/CS \_\_\_\_\_

Serve at least one semester as departmental assistants.

**Teaching Concentration:**

**PA teacher certification for grades 7-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_ 360 \_\_\_\_\_

EDUC 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation**

**2.50 GPA required for Biology course work**

**Overall GPA of 3.00 required for Teacher Certification**

**3.00 GPA required for Education courses**

**Chemistry Department  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

**College Core Requirements**

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation**  
**2.50 GPA required for Chemistry coursework**

**Department Core Required:**

Required Courses:

CHEM 107 \_\_\_\_\_ CHEM 107LQ \_\_\_\_\_

CHEM 108 \_\_\_\_\_ CHEM 108L \_\_\_\_\_ **OR**

CHEM 151 \_\_\_\_\_ CHEM 151LQ \_\_\_\_\_  
(in place of CHEM 107/107LQ and CHEM 108/108L)

CHEM 202W \_\_\_\_\_

CHEM 207 \_\_\_\_\_ CHEM 207L \_\_\_\_\_

CHEM 208 \_\_\_\_\_ CHEM 208L \_\_\_\_\_

CHEM 309 \_\_\_\_\_ CHEM 309L \_\_\_\_\_ **OR**

BCMB 307 \_\_\_\_\_ BCMB 309L \_\_\_\_\_

CHEM 310 \_\_\_\_\_ CHEM 310L \_\_\_\_\_

CHEM 315 \_\_\_\_\_ CHEM 315L \_\_\_\_\_

CHEM 322 \_\_\_\_\_ CHEM 322L \_\_\_\_\_

CHEM 340 (twice) \_\_\_\_\_ \_\_\_\_\_

CHEM 401 \_\_\_\_\_ CHEM 499 \_\_\_\_\_

MATH 112 \_\_\_\_\_

PHYS 121Q \_\_\_\_\_ PHYS 122Q \_\_\_\_\_

Oral presentation CHEM \_\_\_\_\_ (CHEM 401 is an option)

ENV 100 \_\_\_\_\_ **OR** CHEM 101Q \_\_\_\_\_

Prospective teachers should serve as laboratory assistants or participate in safety training.

NOTE: Prospective student teachers must have a 2.50 average in chemistry and receive a departmental recommendation which considers, in addition to academic performance, the student's interpersonal and communication skills. Students and their advisers should consult the Ursinus College Education Department.

**Teaching Concentration:**

**PA teacher certification for grades 7-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_

EDUC 360 \_\_\_\_\_ 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

**Overall GPA of 3.00 required for Teacher Certification**  
**3.00 GPA required for Education courses**

**English Department  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

**College Core Requirements**

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Department Core Required:**

Students majoring in English must complete ten courses, comprising six required ENGL courses, plus four elective courses. Required English courses: ENGL-290W and one other ENGL course between 220 and 260; at least three 300-level colloquia, including one focusing on literature before 1800 and one focusing on literature after 1800 (ENGL-301 may count as a colloquium); ENGL-440W or 492W. Elective courses may include any of the following: all ENGL or ENCW courses; EAS-224; FS-101, 250, 251, 252, 253, 305; IDS-290; LAS-215; MCS-207, 208; THEA-300W, 301W. One DN or GN course offered in ENGL/ENCW is required in addition to the college's DN/GN core requirement. Majors are encouraged to fulfill both requirements within the major. English majors can fulfill both the capstone requirement and the requirement for an oral presentation in the major by taking ENGL-440W or ENGL492W.

ENG 290W \_\_\_\_\_ ENG \_\_\_\_\_ (between 220 and 260)

**Three 300-level Colloquia:**

ENG \_\_\_\_\_ \_\_\_\_\_ ENG \_\_\_\_\_ \_\_\_\_\_

ENG \_\_\_\_\_ \_\_\_\_\_

ENG 440W or 492W: ENG \_\_\_\_\_ \_\_\_\_\_

**Electives**

ENG \_\_\_\_\_ \_\_\_\_\_ ENG \_\_\_\_\_ \_\_\_\_\_

ENG \_\_\_\_\_ \_\_\_\_\_ ENG \_\_\_\_\_ \_\_\_\_\_

Students seeking teaching certification in English for grades 7-12 must fulfill all departmental requirements for an English major. Their courses should include literary genres, themes, and histories. In addition, students working toward certification must take the following courses: ENGL-214; and either MCS-205, or any FS course. Students are strongly recommended to take either ENGL-220 or a 300-level colloquium on Shakespeare and ENGL-301. It is also strongly recommended that the candidate participate in student journalism or theater activities. Students and their advisers should consult the Ursinus College Education Department.

ENG 214 \_\_\_\_\_

**One of the following:**

MCS 205 \_\_\_\_\_ or any course in Film Studies FS \_\_\_\_\_

ENG \_\_\_\_\_ \_\_\_\_\_ ENG \_\_\_\_\_ \_\_\_\_\_

**Teaching Concentration:**

**PA teacher certification for grades 7-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_

360 \_\_\_\_\_ EDUC 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation**

**3.0 GPA required for English coursework**

**Overall GPA of 3.00 required for Teacher Certification**

**3.00 GPA required for Education courses**

**3/21**

**Health and Exercise Physiology Department  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

**College Core Requirements**

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Department Core Required:**

HEP majors must complete the following HEP courses: HEP-100, 202 or 298, 205, 205L, 206 (prerequisites: BIO-102Q or permission of the instructor), 334, 351, 352, and STAT-141Q.

HEP 100 \_\_\_\_\_ HEP 202 \_\_\_\_\_

BIO/HEP 205/205L \_\_\_\_\_ BIO/ HEP 206 \_\_\_\_\_

HEP 334 \_\_\_\_\_ HEP 351 \_\_\_\_\_

HEP 352 \_\_\_\_\_ STAT 141Q \_\_\_\_\_

**Teaching Concentration:**

HEP 220 \_\_\_\_\_ HEP 232W \_\_\_\_\_ **or** HEP 298 \_\_\_\_\_

HEP 333 \_\_\_\_\_ HEP 355 \_\_\_\_\_

HEP 356 \_\_\_\_\_ HEP 446 \_\_\_\_\_

HEP 464 \_\_\_\_\_

HEP 235 \_\_\_\_\_ **or** Approved swimming class w/CPR \_\_\_\_\_

DANC 200 \_\_\_\_\_ **or** an approved Dance elective \_\_\_\_\_

HEP 224 \_\_\_\_\_ **or** HEP 209 \_\_\_\_\_ (Tai Chi, Self-Defense  
or Martial Arts)

HEP 223 \_\_\_\_\_

HEP 245 \_\_\_\_\_

**Capstone:**

EDUC 453 \_\_\_\_\_ **and** EDUC 454 \_\_\_\_\_

**PA teacher certification for grades K-12 must take:**

ED 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 360 \_\_\_\_\_ 375 \_\_\_\_\_

HEP 355 \_\_\_\_\_ HEP 356 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

Fundamental Subjects: Content Knowledge \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation**  
**2.80 GPA required for HEP course work**

**Overall GPA of 3.00 required for Teacher Certification**  
**3.00 GPA required for Education courses**

**Modern Language Department - FRENCH  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

**Department Core Required:**

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

Students planning to obtain certification for secondary-school teaching in French must take a minimum of 24 credit hours in French at the 200, 300 and 400 levels. The following courses are required: FREN-251; 252, 317, 328, and at least two 300- or 400-level courses. In addition to the course requirements, students are required to pass a qualifying examination before they will be admitted to candidacy for certification and a competency examination before being certified.

**College Core Requirements**

These tests will examine students' linguistic competence, orally and in writing, testing phonetics, conversation, grammar and composition. The exit exam will also check their knowledge of French literature and culture, including the arts, history and geography. Students will need to maintain a GPA of 3.00 in French courses.

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

FRE 251 \_\_\_\_\_ FRE 252 \_\_\_\_\_

FRE 317 \_\_\_\_\_ FRE 328 \_\_\_\_\_

FRE \_\_\_\_\_ FRE \_\_\_\_\_

FRE \_\_\_\_\_ FRE \_\_\_\_\_

**Plus two (2) additional courses at the 300 or 400 level.**

FRE \_\_\_\_\_ FRE \_\_\_\_\_

Students and their advisers should consult the Ursinus College Education Department. Language majors and students preparing for certification are required to supplement their work at Ursinus by spending a summer, a semester or an entire year in a foreign country with a program approved by the department. Exceptions to this policy may be made by petition to the department chair.

The student is advised to take appropriate courses in Anthropology, History, Politics, Economics and Intercultural Communication.

**Teaching Concentration:**

**PA teacher certification for grades K-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_

EDUC 360 \_\_\_\_\_ 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

Fundamental Subjects: Content Knowledge \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation  
3.00 GPA required for French course work**

**Overall GPA of 3.00 required for Teacher Certification  
3.00 GPA required for Education courses**

**Modern Languages Department - GERMAN  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

**Department Core Required:**

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

Students planning to obtain certification for secondary-school teaching in German must take a minimum of 24 credit hours in German at the 200, 300 and 400 levels. The following courses are required: GER-251 and 252; 313 or 314; 328 and at least two 300- or 400-level courses. In addition to the course requirements, students are required to pass a qualifying examination before they will be admitted to candidacy for certification and a competency examination before being certified. Students will need to maintain a GPA of 3.00 in German courses.

**College Core Requirements**

These tests will examine students' linguistic competence, orally and in writing, testing phonetics, conversation, grammar and composition. The exit exam will also check their knowledge of German literature and culture, including the arts, history and geography. Students and their advisers should consult the Ursinus College Education Department. Language majors and students preparing for certification are required to supplement their work at Ursinus by spending a summer, a semester or an entire year in an academic program in a German-speaking country approved by the department.

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

GER 251 \_\_\_\_\_ GER 252 \_\_\_\_\_

GER 313 \_\_\_\_\_ **OR** GER 314 \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

GER 328 \_\_\_\_\_ GER \_\_\_\_\_ \_\_\_\_\_

**Plus two (2) additional courses at the 300 or 400 level.**

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

GER \_\_\_\_\_ \_\_\_\_\_ GER \_\_\_\_\_ \_\_\_\_\_

GER \_\_\_\_\_ \_\_\_\_\_ GER \_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

The student is advised to take appropriate courses in Anthropology, History, Politics, Economics and Intercultural Communication. Consult the department regarding a study abroad experience as approved by the department.

**Teaching Concentration:**

**PA teacher certification for grades K-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_

EDUC 360 \_\_\_\_\_ 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

Fundamental Subjects: Content Knowledge \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation**  
**3.00 GPA required for German courses**

**Overall GPA of 3.00 required for Teacher Certification**  
**3.00 GPA required for Education courses**

**Modern Languages Department - JAPANESE  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

**Department Core Required:**

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

Students planning to obtain certification for secondary-school teaching in Japanese are required to take the following courses: JPN-211, 212, 301, 328; ENGL-224; HIST-151 or POL-346; and EAS-299, 314, or 401. In addition to the course requirements, students are required to pass a qualifying examination before they will be admitted to candidacy for certification and a competency examination before being certified.

**College Core Requirements**

These tests will examine students' linguistic competence, orally and in writing, testing phonetics, conversation, grammar and composition. The exit exam will also check their knowledge of Japanese literature and culture, including the arts, history and geography. Students and their advisers should consult the Ursinus College Education Department. Language majors and students preparing for certification are required to supplement their work at Ursinus by spending a summer, a semester or an entire year in a foreign country with a program approved by the department. Exceptions to this policy may be made by petition to the department chair.

JPN 211 \_\_\_\_\_ JPN 212 \_\_\_\_\_  
 JPN 301 \_\_\_\_\_ JPN 328 \_\_\_\_\_  
 ENGL 224 \_\_\_\_\_  
 HIST 151 \_\_\_\_\_ **OR** POL 346 \_\_\_\_\_  
 EAS 299 \_\_\_\_\_ **OR** EAS 314 \_\_\_\_\_ **OR** EAS 401 \_\_\_\_\_

The student is advised to take appropriate courses in Anthropology, History, Politics, Economics and Intercultural Communication.

A GPA of 3.00 in Japanese courses is required of all prospective Japanese teachers. For the certified teacher, work in foreign language pedagogy and demonstration of teaching competency in Japanese are required. For the candidate without prior teacher certification, the candidate must complete the professional education sequence.

**Teaching Concentration:**

**PA teacher certification for grades K-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_  
 EDUC 360 \_\_\_\_\_ 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_  
 Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_  
 Praxis II \_\_\_\_\_  
 Fundamental Subjects: Content Knowledge \_\_\_\_\_  
 ACTFL Oral \_\_\_\_\_ Written \_\_\_\_\_

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation**  
**3.00 GPA required for Japanese courses**

**Overall GPA of 3.00 required for Teacher Certification**  
**3.00 GPA required for Education courses**

## Mathematics Department Teaching Concentration (TC)

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

### College Core Requirements

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

### Department Core Required:

A student majoring in mathematics is required to take: MATH-112, 211, 235, 236W, 311W, and 335, and MATH-350 (Oral Presentation must be some aspect of the History of Mathematics). At least four other mathematics courses at the 300- or 400-level, one of which must be a 400-level capstone course. (STAT-342 may count as one of these courses) and CS-173.

MATH 112 \_\_\_\_\_ MATH 211 \_\_\_\_\_

MATH 235 \_\_\_\_\_ MATH 236W \_\_\_\_\_

MATH 311W \_\_\_\_\_ MATH 335 \_\_\_\_\_

MATH 350 \_\_\_\_\_

MATH 442 \_\_\_\_\_ MATH \_\_\_\_\_ \_\_\_\_\_

MATH \_\_\_\_\_ \_\_\_\_\_ MATH \_\_\_\_\_ \_\_\_\_\_

MATH \_\_\_\_\_ \_\_\_\_\_ CS 173 \_\_\_\_\_

Students preparing for secondary teaching must major in mathematics and take MATH-322, 341, and 442 to satisfy the mathematics part of the certification requirements.

MATH 322 \_\_\_\_\_ MATH 341 \_\_\_\_\_

Details may be obtained from the Mathematics and Computer Science Department or Education. Those students preparing for secondary teaching should consult the Ursinus College Education Department. There is both a departmental and college minimum GPA requirement for student teaching.

### Recommended courses:

As many of the following as possible are strongly recommended: MATH-310, 434, and STAT-141Q, 242. **If the student can take STAT-141Q and 242, they should be taken before MATH-341 and 442.**

STAT 141Q \_\_\_\_\_ STAT 242 \_\_\_\_\_

MATH 310 \_\_\_\_\_ MATH 434 \_\_\_\_\_

**Non-traditional and transfer students will be considered on an individual basis.**

### Teaching Concentration:

#### PA teacher certification for grades 7-12 must take:

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_

EDUC 360 \_\_\_\_\_ 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

### Additional Requirements:

#### Major Department Recommendation

2.50 GPA required for Mathematics/Computer Science courses

#### Overall GPA of 3.00 required for Teacher Certification

3.00 GPA required for Education courses



**Physics Department  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

**College Core Requirements**

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Department Core Required:** Students must take the following courses:

PHYS 121Q \_\_\_\_\_ PHYS 122Q \_\_\_\_\_

PHYS 201 \_\_\_\_\_ PHYS 207W \_\_\_\_\_

PHYS 299 \_\_\_\_\_ PHYS 450W \_\_\_\_\_

PHYS 499 \_\_\_\_\_

**any three of:** 304 (Thermal Physics), 401 (Applications of Quantum Mechanics), 409 (Electrodynamics), 410 (Classical Mechanics)

PHYS \_\_\_\_\_ PHYS \_\_\_\_\_

PHYS \_\_\_\_\_

**and any two of:** 328W (Analog Electronics), 329W (Digital Electronics), 338W (Advanced Physics Laboratory I), 339W (Advanced Physics Laboratory II).

PHYS \_\_\_\_\_ PHYS \_\_\_\_\_

**and at least four credits** of additional work at the 300-level or above

PSYS \_\_\_\_\_

Mathematics

MATH 112 \_\_\_\_\_

Computer Science

CS 173 \_\_\_\_\_

**One of the following:**

BIO 101Q \_\_\_\_\_ **or** BIO 102Q \_\_\_\_\_ **or**

ENV 100 \_\_\_\_\_

Activities

Work as a laboratory assistant or help session staff.

**NOTE:** To be approved for student teaching, a candidate must have 1) attained an average of 2.50 in required physics and mathematics courses and 2) demonstrated the interpersonal and communication skills necessary to convey ideas and concepts to others.

**Teaching Concentration:**

**PA teacher certification for grades 7-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_ 360 \_\_\_\_\_

EDUC 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation**

**2.50 GPA required for Physics and Mathematics courses**

**Overall GPA of 3.00 required for Teacher Certification**

**3.00 GPA required for Education courses**

**Modern Languages Department - SPANISH  
Teaching Concentration (TC)**

Name: \_\_\_\_\_

**Department Core Required:**

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

Students planning to obtain certification for secondary-school teaching in Spanish must take a minimum of 24 credit hours in Spanish at the 200, 300 and 400 levels. The following courses are required: SPAN-251, 252, 317, 328 and at least two 300- or 400-level courses. Students will need to maintain a GPA of 3.00 in Spanish courses.

**College Core Requirements**

In addition to the course requirements, students are required to pass a qualifying examination before they will be admitted to candidacy for certification and a competency examination before being certified.

These tests will examine students' linguistic competence, orally and in writing, testing phonetics, conversation, grammar and composition. The exit exam will also check their knowledge of Spanish literature and culture, including the arts, history and geography. Students and their advisers should consult the Ursinus College Education Department. Language majors and students preparing for certification are required to supplement their work at Ursinus by spending a summer, a semester or an entire year in a foreign country with a program approved by the department. Exceptions to this policy may be made by petition to the department chair.

SPAN 251	_____	SPAN 252	_____
SPAN 317	_____	SPAN 328	_____
SPAN _____	_____	SPAN _____	_____
SPAN _____	_____	SPAN _____	_____

Two courses at the 300 or 400 level:

SPAN _____	_____	SPAN _____	_____
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The student is advised to take appropriate courses in Anthropology, History, Politics, Economics and Intercultural Communication.

Students and their advisers should consult the Education Department.

**Teaching Concentration:**

***PA teacher certification for grades K-12 must take:***

EDUC 100	_____	265	_____	320	_____	350W	_____
EDUC 360	_____	375	_____	443	_____	453/493	_____

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

Fundamental Subjects: Content Knowledge \_\_\_\_\_

**Overall GPA of 3.00 required for Teacher Certification  
3.00 GPA required for Education courses**

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN/GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Additional Requirements:**

**Major Department Recommendation  
3.0 GPA required for Spanish courses**

**History Department**  
**Teaching Concentration (TC) - Social Studies (Two Pages)**

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

**College Core Requirements**

1. Common Intellectual Experience

CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_

2. Foreign Language (two courses)

\_\_\_\_\_ \_\_\_\_\_

3. Deductive Reasoning (R)

\_\_\_\_\_ \_\_\_\_\_

4. Scientific inquiry/experimentation (S)

\_\_\_\_\_ \_\_\_\_\_

5. Social Scientific inquiry (SS)

\_\_\_\_\_ \_\_\_\_\_

6. Quantitative reasoning (Q)

\_\_\_\_\_ \_\_\_\_\_

7. Humanistic inquiry (H)

\_\_\_\_\_ \_\_\_\_\_

8. Artistic/performance (A)

\_\_\_\_\_ \_\_\_\_\_

9. DN, GN and O courses (Only 2 from student's major)

DN Course \_\_\_\_\_ \_\_\_\_\_

GN Course \_\_\_\_\_ \_\_\_\_\_

O Course \_\_\_\_\_ \_\_\_\_\_

10. Linked inquiry (LINQ)

\_\_\_\_\_ \_\_\_\_\_

11. Core Capstone (CCAP)

\_\_\_\_\_ \_\_\_\_\_

12. Experiential Learning Project (XLP)

\_\_\_\_\_ \_\_\_\_\_

**Department Core Required:**

Required courses and activities for Social Studies certification:

- A. Students must major in American Studies, Anthropology, Business and Economics, East Asian Studies, History, International Relations, Politics, Psychology, or Sociology. To be admitted to student teaching, a Social Studies certification candidate must have a 2.67 GPA for courses in his or her major.
- B. Students must complete both semesters of the Ursinus College Common Intellectual Experience course sequence (CIE100 & CIE 200). Note: History 101 (or its equivalent) may be substituted for the CIE100/200 for eligible transfer or post-baccalaureate candidates.
- C. Students must take the following courses: (total 9 courses = 36 credits)

**Any Anthropology course:**

ANTH \_\_\_\_\_ (ANTH 100 recommended)

**One of the following Economics courses:**

ECON 102 \_\_\_\_\_ or ECON 120 \_\_\_\_\_

**Three History courses:**

HIST 102 \_\_\_\_\_ and:

**One pre-1877 U. S. History course:**

HIST 125 \_\_\_\_\_ (recommended) or HIST 225 \_\_\_\_\_ or

HIST 227 \_\_\_\_\_ or HIST \_\_\_\_\_ **and:**

**One post-1877 U. S. History course:**

HIST 126 \_\_\_\_\_ (recommended) or HIST 226 \_\_\_\_\_ or

HIST 228 \_\_\_\_\_ or HIST \_\_\_\_\_

Note: HIST-225 (Native North America), HIST-226 (Philadelphia Story: Public Histories in the City), HIST-330 (Native American Activism and Red Power) or HIST/GWSS-332 (Liberated Minds: African American Intellectual History) may be taken to fulfill either the pre-1877 or post-1877 U.S. History requirement (but not both).

**Two Politics courses:**

POL 218 \_\_\_\_\_ (required) **and** one additional Politics course;

either POL 242 \_\_\_\_\_ **or** POL 252 \_\_\_\_\_ (is recommended)

(POL 237 fulfills this requirement as well)

**Any Sociology course:**

SOC \_\_\_\_\_ (SOC 100 recommended.)

**OVER**

**Required major Methodology course (one from):**

ANSO 200/200L \_\_\_\_\_ or ECON 200W \_\_\_\_\_

or HIST 200W \_\_\_\_\_ or PSYC 200WQ \_\_\_\_\_

**or the following Politics options:**

POL 300 / 418W / 437W / 442W / 452W / IR400W \_\_\_\_\_

**Note: Post-baccalaureate Social Studies certification candidates who have not taken the required Methodology course as an undergraduate will be required to take HIST-200W as their Methodology course at Ursinus.**

**PA teacher certification for grades 7-12 must take:**

EDUC 100 \_\_\_\_\_ 265 \_\_\_\_\_ 320 \_\_\_\_\_ 350W \_\_\_\_\_ 360 \_\_\_\_\_

EDUC 375 \_\_\_\_\_ 443 \_\_\_\_\_ 453/493 \_\_\_\_\_ 454 \_\_\_\_\_

Exams – PAPA/CORE (or appropriate SAT/ACT scores) \_\_\_\_\_

Praxis II \_\_\_\_\_

**NOTES:**

1. Students who enter with Advanced Placement credit in U.S. History or American Government should substitute another History or Politics course in their required course sequence, if their schedule permits. Completing either of these requirements through CLEP tests is not recommended.
2. While the required number of course/credits is high, the program overlaps with other requirements for various majors or minors and the college core requirements. For example, many of the courses listed above will fulfill the student's Humanities (H), Social Science (SS), Diversity, (DN), Global Studies (GN) and even laboratory science (S) and Q-course requirements (Q).

**To enroll in Education 443, which leads to student teaching, a student must have a minimum overall GPA of 3.0, an Education GPA of 3.0 and a 2.67 GPA for courses in their major and passing scores for the PAPA or CORE\* exams.**

**\*Note that the PDE now accepts SAT/ACT scores – see education department staff for details.**

**Additional Requirements:**

**Major Department Recommendation  
2.67 GPA required for courses in the major**

**Overall GPA of 3.00 required for Teacher Certification  
3.00 GPA required for Education courses**