



D O A N E  
C O L L E G E

**ADVISING GUIDE**

**FOR**

**2008-2009**

## TABLE OF CONTENTS

### POLICY STATEMENTS

Family Educational Right to Privacy Act (FERPA).....	1
Access/Services for Students with Disabilities.....	2
Four Year Guarantee. ....	3
Responsibilities during the Advising Process.....	6
Doane “W” Course Master List.....	7
Schedule of Alternate Year Courses .....	8
Courses Offered Only Fall Terms or Only Spring Terms .....	9
Eligibility Requirements (for athletics and special ability scholarships).....	10
Scholarship Requirements .....	11
Credit By Examination.....	12

### ADVISING NOTES

Preregistration/Enrollment Day Procedures.....	13
Preparation for advising.....	13
Procedures for advising.....	13
General Advising Notes .....	14
Absences .....	14
Academic Dishonesty .....	14
Accounting.....	14
ACT-high composite scores.....	14
ACT-low scores in reading .....	14
Adding a course .....	14
Athletics .....	15
Catalog of record.....	15
CEd 205/Internships.....	15
Changing advisors.....	15
Changing a grade .....	15
Changing the major.....	15
Commencement: taking part before completion of requirements.....	15
Common courses.....	15
Course substitutions/other exceptions.....	16
Credit limits .....	16
Cross Enrollment with Doane Lincoln .....	16
Declaring a major.....	16
Degree audits .....	16
Directed studies and tutorials.....	16
DLC 103/107 scheduling .....	16
DLC/DSS differences .....	17
DLC/DSS requirements .....	17
Dropping a course or activity.....	17
English 100 .....	17
English 101 .....	17

ESP students.....	17
Extra costs for credits above 17 .....	17
Financial Aid.....	18
Foreign Language .....	18
Good Standing .....	18
Greek Week .....	18
Honors Program.....	18
Honors requirements.....	18
Incompletes.....	18
International student absences .....	18
International student credit loads.....	19
International student major/minor.....	19
Internships.....	19
Interterm.....	19
Mathematics.....	19
Music scholarships.....	20
Pass/Fail Courses .....	20
PEd-104.....	20
Permission for courses .....	20
Repeating a course .....	20
Scholarship requirements.....	20
Secondary education students.....	20
Special ability scholarships.....	20
Study abroad .....	21
Taking a course at Doane Lincoln or another institution.....	21
Theatre students .....	21
Transfer students.....	21
Withdrawing from a course .....	21
Withdrawing from Doane .....	21
<b>Advising Notes: General Requirements &amp; Doane Plan .....</b>	<b>22</b>
<b>General Requirement Notes.....</b>	<b>22</b>
Prohibition against using a course to fulfill two requirements .....	22
Counting a course for the major and the Doane Plan .....	22
New course options.....	22
Pass-Fail option.....	22

<b>Doane Plan Requirements.....</b>	<b>22</b>
Heritage studies.....	22
Contemporary Issues.....	22
Cultural Perspectives .....	23
Natural Science .....	23
Mathematical Reasoning.....	23
Communication.....	23
Aesthetic Perspective.....	23
Health and Well-being.....	23
Liberal Arts Seminar (LAR 101).....	23
Liberal Learning.....	24
<b>Interterm Requirement .....</b>	<b>24</b>
<b>General Competencies .....</b>	<b>24</b>
Mathematics Competency.....	24
Writing Competency.....	24
<b>Honors Program.....</b>	<b>25</b>
<b>Preparations for Graduate School .....</b>	<b>27</b>

**MAJORS (including endorsements and certification)**

- Accounting
- Art (Graphic Design Emphasis)
- Art (Liberal Arts Emphasis)
- Art (Professional Emphasis)
- Art (Teacher Certification)
- Biochemistry
- Biology
- Biology (Teacher Certification)
- Business Administration
- Business Principles (Teacher Certification)
- Chemistry
- Chemistry (Teacher Certification)
- Coaching Endorsement
- Computer Science (see Information Science and Technology)
- Economics
- Education - Early Childhood Endorsement
- Education - Elementary
- Education - Elementary and Special Education (double major)
- Education - Middle School Endorsement
- Education - Special
- Education - Teacher Certification - Secondary or K-12
- Education - Teacher Certification and Middle School Endorsement
- English (Creative Writing Emphasis)
- English (General Emphasis)
- English (Teacher Certification)
- English/Language Arts

English/Language Arts (Teacher Certification)  
English as a Second Language  
English as a Second Language (Teaching Endorsement)  
Environmental Science  
French  
French (Teacher Certification)  
French and Biology (double major)  
French and Business Administration (double major)  
German  
German (Teacher Certification)  
German and Biology (double major)  
German and Business Administration (double major)  
History  
History (Teacher Certification)  
Information Science and Technology - Computer Science  
Information Science and Technology - (Information Technology Teaching Endorsement)  
Information Science and Technology - Information Systems  
International Studies (Contemporary Europe Emphasis)  
Journalism  
Mathematics  
Mathematics (Teacher Certification)  
Music  
Music (Performance Emphasis)  
Music (Teacher Certification)  
Natural Science (Teacher Certification)  
Philosophy  
Physical Education (Exercise Science Emphasis)  
Physical Education (Fitness Management Emphasis)  
Physical Education (Teacher Certification)  
Physical Education (Teacher Certification and Biology Endorsement)  
Physical Education and Elementary Education (double major)(Teacher Certification)  
Physical Education and History (double major)(Teacher Certification)  
Physical Education and Social Science (double major)(Teacher Certification)  
Physical Education and Special Education (double major)(Teacher Certification)  
Physical Science  
Physical Science (Health Science Emphasis)  
Physical Science (Teacher Certification)  
Physics  
Physics (Teacher Certification)  
Political Science  
Political Science (Teacher Certification)  
Psychology  
Psychology (Mental Health Emphasis)  
Public Administration  
Religious Studies  
Social Science

Social Science (Teacher Certification)  
Sociology  
Sociology (Criminal Justice Emphasis)  
Spanish  
Spanish (Teacher Certification)  
Spanish and Business Administration (Double Major)  
Spanish and English (Double Major)  
Spanish and ESL Endorsement (Teacher Certification)  
Theatre  
Theatre (Teacher Certification)

### **PRE-PROFESSIONAL PROGRAMS**

Pre-Art Therapy  
Pre-Chemical Engineering  
Pre-Clinical Science (formerly Pre-Medical Technology)  
Pre-Dental Hygiene  
Pre-Dentistry  
Pre-Engineering (Computer Science Major)  
Pre-Engineering (Mathematics Major)  
Pre-Engineering (Physics Major)  
Pre-Forensic Science  
Pre-Forestry  
Pre-Law  
Pre-Medicine (UNMC)  
Pre-Nursing (Creighton - accelerated BSN)  
Pre-Nursing (UNMC - accelerated BSN)  
Pre-Nursing (UNMC)  
Pre-Occupational Therapy  
Pre-Optometry  
Pre-Pharmacy  
Pre-Physical Therapy  
Pre-Physician's Assistant  
Pre-Veterinary Science

## **FERPA -- Family Educational Rights and Privacy Act**

*FERPA is designed to protect the privacy of educational records, to establish the right of students to inspect and review their records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Access and privacy rights shift to the students when they turn 18 or when they attend college.*

**EDUCATIONAL RECORDS** -- Educational records covered by FERPA are those records, files, documents, and other materials that contain information related to a student and are maintained by Doane College or one of its agents. **Exceptions** -- An advisor's personal notes on advisees (that are kept separate from regular advising files and that serve to help the advisor or faculty member remember conversations and interactions with advisees) are not part of the "official file" as defined by the Buckley Amendments.

**STUDENT ACCESS TO EDUCATIONAL RECORDS** -- Students may ask the individual or office responsible for maintenance of these records, in writing, for access to them. Under College policy, they will be produced within a maximum period of 21 days. In most instances, the student will be shown the record on request. **Exceptions** -- Certain materials, including private notes of faculty, are not available to the student.

**ACCESS TO EDUCATIONAL RECORDS BY OTHERS** -- Educational records and information may not be disclosed unless the student consents in advance. If a student wishes another person(s) to have access to their records, the student fills out a FERPA form and files it with the registrar's office. The student provides the names, addresses, phone numbers, email address, and relationship information of the individual(s) to whom such information may be given. If no FERPA form is filed, access is limited to the student. Information about those who have been given permission may be obtained from the registrar's office, the faculty secretaries, or the academic affairs office. Students have the right to change this information and these permissions at any time. If a person calls requesting information, the faculty member will check on the permission and, if permission has been given, contact the person using the contact information provided by the student. **Exceptions** -- Exceptions to this are disclosure to Doane College personnel who "need to know" to perform their job, to comply with a judicial order or subpoena, or in a health or safety emergency.

**DIRECTORY INFORMATION** -- Directory information includes, but is not limited to, the student's name, address, telephone listing, electronic mail address, major field of study, dates of attendance, awards or honors, degrees, and sports and activities. Students may request that directory information not be released by signing a form in the registrar's office.

## ACCESS/SERVICES FOR STUDENTS WITH DISABILITIES

The Rehabilitation Act of 1973 (section 504) and the Americans with Disabilities Act (ADA) provides that “no otherwise qualified disabled individual in the United States... shall, solely on the basis of disability, be denied access to, or the benefits of, or be subjected to discrimination under any program or activity provided by an institution receiving federal financial assistance.”

1. It is the student’s responsibility to notify the institution of any special circumstances that would affect his/her ability to compete equally in the college environment. All disabilities must be appropriately documented by qualified professionals and this documentation must be provided to the college upon request.
2. While students are encouraged to self-identify at the earliest possible time, students who choose not to do so can still receive services at any time once they self-disclose and provide documentation of their disability.
3. Qualifying students are encouraged to contact the Office of Academic Affairs, the Office of Student Leadership, the Office of Admissions, or the Academic Support Center before arriving on campus so their needs can be anticipated, discussed and appropriate accommodations/ adjustments made.
4. Students seeking a course substitution or other exception due to a disability must provide documentation of the disability upon request.

\* \* \* \* \*

Course syllabus statement Please consider including a statement similar to the one below in your course syllabus for each course you teach.

*Students with disabilities substantially limiting a major life activity are eligible for reasonable accommodations in college programs, including this course. Accommodations provide equal opportunity to obtain the same level of achievement while maintaining the standards of excellence of the college. If you have a disability that may interfere with your participation or performance in this course, please meet with me to discuss disability-related accommodations and other special learning needs.*

Additionally, you might consider making a general announcement at the first class meeting of each semester.

*I would appreciate hearing from anyone in this course who has a disability which may require some special accommodation. I am reasonably sure we can work out whatever arrangement is necessary, be it special seating, testing, or other adjustment. See me after class or during my office hours.*

If a student reports having a disabling condition, learn as much as you can about the impact of the disability upon the student’s ability to learn or to demonstrate what has been learned. Also, please direct the student to meet with Sherri Hanigan in the Academic Support Center to establish an individualized accommodation plan. Students seeking accommodation will be required to provide documentation of their disability. Laura Sears is the compliance officer. If anyone thinks we are not complying with the guidelines, they should contact her.



## **DOANE COLLEGE 4-YEAR GRADUATION GUARANTEE**

In 1995, Doane College initiated a Four-Year Graduation Guarantee, one of only a few colleges and universities in the nation to do so. Doane believes that a quality degree can and should be earned within four years, and students should not have to incur additional tuition and costs by extending their college stay. Doane's curriculum is designed specifically for students to graduate in four years. We guarantee it! The Four-Year Graduation Guarantee applies to first-time students who enter Doane College on the Crete Campus.

### **DOANE COLLEGE WILL:**

- 1) Offer all required courses necessary to complete a major, the Doane Plan, and the college's graduation requirements within four years (*see college catalog*).
- 2) Provide a qualified faculty adviser to assist students in scheduling classes.
- 3) Provide academic support services to help in the successful completion of a four-year degree.

### **IF THE STUDENT WILL:**

- 1) Enroll in eight consecutive regular semesters as a full-time student.
- 2) Maintain a cumulative grade point average to remain in good standing according to the *Doane College Catalog* of record.
- 3) Fulfill the following requirements:
  - The student will declare the major with which he/she will graduate before the fourth semester. Students majoring in accounting, biology, chemistry, or education must declare that major upon entering Doane College.
  - The student should average 15 credit hours per semester (a typical college class load).
  - The student will successfully complete four three-credit interterms.
  - The student will meet at least once per semester with his/her assigned academic adviser.

If all of the requirements are fulfilled, this agreement is valid. It is possible for students to graduate in less than four years, to have more than one major, or to complete minors. This agreement covers one major in four years. With good academic planning, much more is possible.

If all requirements are met, but the student is unable to complete his/her chosen major in four years, Doane College will assume costs during the next two consecutive semesters, of the courses needed to complete an undergraduate degree.

\_\_\_\_\_  
Student's signature                      Date

\_\_\_\_\_  
President's signature                      Date

\_\_\_\_\_  
Parent signature                      Date

MAJOR: Accounting, Art/Graphic,  
                    Art/Professional Art, Biology,  
Biochemistry, Chemistry,  
Environmental Science,  
Physical Education



**ADDITIONAL REQUIREMENTS AND STIPULATIONS**

Interterm (3 courses) ITM \_\_\_\_\_ ITM \_\_\_\_\_ ITM \_\_\_\_\_ (interterm required during the freshman year)

Grade Point Average overall and in any major or minor must be 2.00 or above. Education GPA requirements are

higher (see catalog). Completion of a minimum of 132 credits (135 cr. if DLC/DSS 090 is taken).  
Max. credits applied to graduation: PED 101&104=4cr; ATV=6cr; DLC/DSS=9cr; Internship=12cr;  
Major=48cr (see catalog for exceptions).

## **RESPONSIBILITIES DURING THE ADVISING PROCESS\***

### **The student is responsible for:**

- Seeking out help available in determining the major;
- Preparing for the advising meeting, including preparing a draft schedule;
- Following through on tasks (officially declaring the major, naming the catalog of record, changing advisors, etc.);
- Keeping accurate records;
- Making sure all degree requirements are met;
- Making decisions.

### **The advisor is responsible for:**

- Providing answers to questions on procedure, policy, etc. (or helping find the answers);
- Helping the student problem-solve;
- Keeping accurate records;
- Providing academic advice;
- Helping the student in deciding on a major;
- Providing information on careers and opportunities in the advisor's discipline;
- Helping facilitate the student's interaction with the administration.

*\*These responsibilities are based on the National Academic Advising Association guidelines.*

## DOANE "W" COURSE MASTER LIST

15 credits

ACC 232  
ART 204, 205, 252, 254, 310, 315, 320, 358  
BIO 317, 342, 348, 351, 356, 496, 498  
BUS 205, 307, 339  
CHM 322, 408, 411-412  
CMS 112, 351  
DLC 116  
DSS 117  
ECO 306, 307, 314, 347, 419, 495  
EDS 207, 236, 332, 426  
EDU 211, 311, 312, 321, 322, 341, 361, 453, 455  
ENG 101, 113, 201, 202, 213, 231, 238, 301, 302, 305, 306, 312, 316, 329, 342, 351, 392, 393, 495, 496, 497,  
ATV 136  
ESL 211  
EVS 301, 351, 496  
FRE 322, 423  
GER 311  
HIS 305, 317, 338, 496  
HNR 302, 402  
INT 311, 317, 496  
IST 140, 217, 495  
JOU 113, 213, 235, 291, 445  
MTH 217, 326, 403, 433  
MUS 496  
NSI 496  
PED 345, 346, 352  
PHI 210, 305, 311/411  
PHY 302, 314  
PRE 110, 111  
PSI 213, 243, 338, 496  
PSY 496  
RST 316/416, 320, 326, 328, 426  
SOC 285, 496  
THE 109, 217, 303, 304, 314, 318

## SCHEDULE OF ALTERNATE YEAR COURSES

This list shows the planned scheduling of alternate year courses by the faculty in each discipline. Circumstances may cause the schedule to be adjusted occasionally, but it will be followed as closely as possible. A few courses listed in the catalog as alternate year courses will be dropped or are taught every year and are not given on this list.

### Fall 2008 is Fall Even (F E); Spring 2009 is Spring Odd (S O)

<u>COURSE</u>	<u>TERM</u>						
		ECO 329	S O	INT 311	S O	PSI 308	S O
ACC 321	S E	ECO 330	S E	INT 318	S O	PSI 313	F O
ACC 322	S 3*	ECO 340	S O	INT 325	S O	PSI 325	S O
ACC 335	S 3*	ECO 358	F O	INT 349	S E	PSI 328	S E
ACC 411	S 3*	ECO 419	S O	IST 307	S E	PSI 329	S E
ACC 427	S O	ECO 495	S E	IST 312	F O	PSI 330	S O
ART 225	F E	ENG 301	S E	IST 314	S E	PSI 332	S O
ART 245	F O	ENG 312	F E	IST 315	S O	PSI 337	F E
ART 252	F O	ENG 316	S O	IST 322	F E	PSI 340	F O
ART 254	S O	ENG 318	S O	IST 324	F E	PSI 350	S O
ART 256	S E	ENG 329	F O	IST 352	S O	PSI 351	S E
ART 270	F O	ENG 342	S E	IST 353	F O	PSY 225	S O
ART 357	S E	ENG 351	S O	IST 407	F E	PSY 256	F O
ART 358	F O	EVS 301	F E	IST 412	S E	PSY 305	F E
BIO 308	F O	FRE 310	F O	IST 422	S O	PSY 314	F E
BIO 317	F O	FRE 312	S E	MTH 330	F O	PSY 342	F O
BIO 335	S O	FRE 322	F E	MTH 334	F E	PSY 445	F E
BIO 340	F O	FRE 423	S O	MTH 347	S E	RST 309	F E
BIO 345	S ?	GEG 112	S E	MTH 351	S E	RST 310	S O
BIO 349	F O	GER 310	F O	MTH 403	S O	RST 312	S E
BIO 350	F E	GER 311	F E	MTH 433	F O	RST 3/416	F O
BIO 353	S E	GER 415	S E	MUS 221	F E	SOC 225	S O
BIO 412	S E	GER 429	S O	MUS 309	S O	SOC 366	S O
BUS 301	F E	HIS 302	F O	PED 312	S O	SOC 415	S E
BUS 307	F E	HIS 305	F O	PED 314	S E	SPA 312	F E
BUS 339	F O	HIS 306	F E	PHI 114	F O	SPA 314	F O
BUS 342	**	HIS 312	F E	PHI 210	S O	THE 115	S O
BUS 346	**	HIS 315	****	PHI 214	S E	THE 217	F E
BUS 358	F O	HIS 318	S O	PHI 305	S *	THE 303	F O
BUS 418	S E	HIS 321	F E	PHI 3/411	F E	THE 304	S E
BUS 445	F E	HIS 326	S O	PHI 3/417	S O	THE 309	F O
BUS 460	F O	HIS 329	S E	PHY 301	F O	THE 311	F O
CHM 322	S E	HIS 335	S E	PHY 302	S E	THE 312	F E
CHM 326	S O	HIS 337	F O	PHY 306	S O	THE 314	S E
CHM 411	F O	HIS 340	F O	PHY 314	F E	THE 318	S O
CHM 412	F E	HIS 341	S O	PHY 318	S E		
CMS 348	S E	HIS 342	S E	PHY 324	F E		
ECO 303	S E	HIS 346	S E	PHY 435	F O	*Every third spring	
ECO 304	F E	HIS 348	F O	PRE 231	S E	**Upon demand &	
ECO 307	F E	HIS 349	S E	PSI 213	F E	instructor availability	
ECO 308	S O	HIS 350	F O	PSI 215	F E	***Offered in	
ECO 309	F O	HIS 354	F O	PSI 234	S E	Spring 2009	
ECO 327	S E	INT 310	F O	PSI 243	F O	****Offered alternate	
						Interterms	

## COURSES TAUGHT EVERY FALL TERM OR EVERY SPRING TERM

ACC 103 - F	CHM 206 - S	GEO 107 - S	MTH 355 - F	PRE 111 - F
ACC 104 - S	CHM 303 - F	GEO 107L-S	MTH 356 - S	PRE 120 - F
ACC 231 - F	CHM 351 - S	GER 101 - F	MTH 358 - S	PRE 121 - S
ACC 232 - S	CHM 408 - S	GER 102 - S	MUS 115 - S	PSI 338 - F
ANT 308 - S	CHM 495 - F	GER 203 - F	MUS 116 - F	PSI 496 - S
ART 110 - S	CHM 496 - S	GER 204 - S	MUS 193 - S	PSY 219 - F
ART 204 - F	CMS 321 - S	HIS 105 - F	MUS 204 - S	PSY 234 - F
ART 205 - S	CMS 351 - F	HIS 106 - S	MUS 205 - F	PSY 245 - F
ART 207 - F	DLC 116 - F	HIS 205 - F	MUS 206 - S	PSY 252 - S
ART 235 - F	DSS 117 - F	HIS 206 - S	MUS 215 - S	PSY 255 - S
ART 252 - F	ECO 204 - S	HIS 314 - S	MUS 226 - F	PSY 310 - S
ART 258 - F	EDC 425 - F	HIS 317 - F	MUS 305 - F	PSY 336 - S
ART 307 - S	EDC 427 - S	HIS 320 - F	MUS 307 - S	PSY 355 - S
ART 407 - S	EDS 236 - S	HIS 338 - F	MUS 308 - F	PSY 365 - S
AST 103 - S	EDS 328 - F	HIS 352 - S	MUS 326 - F	PSY 396 - S
BIO120 - F	EDS 332 - S	HIS 320 - F	MUS 405 - S	PSY 416 - S
BIO 121 - S	EDS 426 - S	HIS 496 - S	MUS 407 - F	PSY 496 - F
BIO 201 - S	EDS 428 - S	HNR 402 - S	MUS 496 - S	RST 328 - F
BIO 225 - F	EDS 456 - S	INT 314 - S	PAD 493 - S	RUS 121 - F
BIO 226 - S	EDU 250 - S	INT 317 - F	PED 117 - F	SOC 210 - F
BIO 260 - F	EDU 311 - F	IST 140 - F	PED 118 - S	SOC 285 - F
BIO 320 - S	EDU 312 - S	IST 146 - S	PED 201 - F	SOC 288 - S
BIO 330 - F	EDU 318 - S	IST 217 - S	PED 209 - S	SOC 308 - S
BIO 342 - F	EDU 325 - F	IST 246 - F	PED 221 - F	SOC 310 - S
BIO 348 - S	EDU 338 - S	IST 252 - F	PED 228 - S	SOC 312 - F
BIO 355 - F	EDU 350 - F	IST 326 - S	PED 233 - F	SOC 314 - F
BIO 356 - S	EDU 361 - S	JOU 113 - F	PED 234 - S	SOC 324 - F
BIO 412 - S	ENG 100 - S	JOU 213 - S	PED 308 - F	SOC 336 - S
BIO 495 - F	ENG 113 - F	JOU 214 - F	PED 309 - F	SOC 355 - S
BIO 496 - S	ENG 201 - F	JOU 223 - F	PED 310 - S	SOC 496 - F
BUS 212 - S	ENG 202 - F	JOU 235 - S	PED 311 - F	SPA 101 - F
BUS 215 - F*	ENG 205 - F	JOU 240 - F	PED 321 - S	SPA 102 - S
BUS 226 - F	ENG 206 - S	JOU 245 - F	PED 345 - F	SPA 203 - F
BUS 301 - F	ENG 213 - S	JOU 301 - F	PED 346 - S	SPA 204 - S
BUS 302 - S	ENG 231 - S	JOU 353 - S	PED 352 - S	SPA 305 - F
BUS 312 - F	ENG 302 - S	JOU 360 - S	PED 355 - F	SPA 306 - S
BUS 315 - F	ENG 305 - F	JOU 370 - S	PED 450 - S	SPA 423 - S
BUS 324 - S	ENG 306 - S	JOU 445 - F	PED 457 - F	THE 101 - F
BUS 325 - F	ENG 392 - F	JOU 495 - S	PED 458 - S	THE 103 - F
BUS 341 - F	ENG 393 - S	MTH 125 - F	PHI 396 - S	THE 108 - F
BUS 357 - S	ENG 495 - S	MTH 217 - F	PHI 495 - F	THE 109 - S
BUS 394 - F**	ENG 496 - S	MTH 218 - S	PHY 107 - F	THE 207 - S
BUS 410 - F	ENG 497 - S	MTH 236 - ****	PHY 108 - S	THE 217 - F
BUS 452 - F	EVS 101 - F	MTH 237 - F	PHY 201 - S	THE 224 - ****
BUS 460 - S***	EVS 495 - F	MTH 238 - S	PHY 202 - F	
	EVS 496 - S	MTH 250 - S	PHY 308 - ****	**will be spring
BUS 496 - F	FAR 103 - F	MTH 303 - F	PHY 312 - ****	course in 2008-9
BUS 497 - S	FAR 104 - F	MTH 323 - S	PHY 395 - S	***will be FO
CHM 101 - S	FRE 101 - F	MTH 324 -	PHY 435 - F	after 2007-8
CHM 125 - F	FRE 102 - S	MTH 325 - S	PHY 495 - F	****on demand
CHM 126 - S	FRE 203 - F	MTH 326 - F	PHY 496 - S	
CHM 205 - F	FRE 204 - S	MTH 329 - S	PRE 110 - S	

## Eligibility Requirements

**These requirements apply to student athletes and to students with special ability scholarships in art, music, and theatre.**

### **Requirements for New First-Year Students:**

To compete in a first season, you must satisfy 2 out of the following 3 conditions:

1. Have a high school GPA of 2.00 or higher.
2. Have an ACT composite of 18 or higher (SAT of 860 or higher)
3. Have graduated in the top half of your class.

In addition, you must be registered for at least 12 hours of classes.

### **Requirements for Continuing Student/Athletes:**

The student must be enrolled in a minimum of 12 institutional credit hours at the time of participation, or, if the participation takes place between terms, the student must have been identified with the institution the term immediately before the date of participation.

#### The “9/24 Hour Rule”:

A freshman must have accumulated a minimum of nine (9) institutional credit hours prior to identification for the second term of attendance. After completion of the second semester and from then on, a student must have accumulated a minimum of 24 institutional credit hours in the two immediately previous terms of attendance in a semester system. Repeat courses previously passed at any time during the student’s academic career may not count toward the 24 credit hour rule.

#### The “Due Progress Rule”: A student must have accumulated at least

- 24 credit hours before participating in a second season of a sport;
- 48 credit hours before participating in a third season of a sport;
- 72 credit hours before participating in a fourth season of a sport.

#### Minimum GPAs for Eligibility (GPAC rule):

1.5 for freshmen (after 1<sup>st</sup> semester);

1.75 for sophomores;

2.00 for juniors and seniors

### **Requirements for Transfer Student/Athletes:**

A transfer student is a student who becomes identified with an NAIA institution after having previously been identified with a two-or four-year institution of higher learning. Transfer students must complete the official NAIA Transfer Player Eligibility Statement prior to their first participation at the NAIA institution no matter how long ago the transfer occurred.

#### 16-week Residency Requirement

A student who has participated in an intercollegiate contest at the immediately previous four-year institution and who then transfers to Doane shall be required to be in residence for a period of 16 calendar weeks before being eligible for the sport(s) previously participated in at the four-year institution.

#### Inter-conference Transfer Requirement

A student who has attended one conference school is not eligible to participate for a second conference school for one calendar year in any sport.

**Note:** There are exceptions to many of the rules listed above. Contact the Registrar’s Office or Faculty Athletic Representative (Peggy Hart – 8603) for information on exceptions.



## Scholarship Requirements

Students must be full-time to be eligible for institutional funds.

### Scholarships requiring cumulative GPAs

3.50 National Merit	3.25 Dredla/Sanderson
3.50 Thomas Doane	3.00 Van Hoy
3.50 Hugh Butler Scholar	3.00 Zenon Hansen Leadership
3.40 Presidential Scholar	3.00 Perry Transfer
3.40 Board of Trustees	3.00 Merrill Transfer

### Scholarship requirements

*Special ability scholarships have eligibility requirements. See page 12.*

Athletics -	take the ATV course for that sport. Note: the maximum number of ATV credits that may be counted toward graduation is 6.
Art -	take 2 ART courses (including 1 studio course) per academic year and have a GPA of 3.00 in ART courses, exhibit creative work in the spring
Forensics -	take CMS 226 or 326 in the fall for 0 or 3 credits and CMS 227 or 327 in the spring for 0 or 3 credits, participate in at least 10 regular season tournaments per year (excluding Nationals), compete in at least 3 events, assist with all high school and college speech events held on campus.
Music -	Students who receive special ability scholarships but are not music majors have requirements that are based on monetary awards. To maintain their scholarships they must participate in at least one ensemble every semester they are on campus. <u>Ensemble Scholarships (\$500-1,499)</u> Vocal -- MUS 191 or 192 every term, 2 terms of voice lessons in the first year Instrumental -- MUS 190 or 195 every term, ATV 106 for 3 fall terms, 2 terms of instrument lessons in the first year Strings -- MUS 196 every term, 2 terms of string lessons in the first year <u>Piano Recognition</u> -- 4 terms of piano lessons in the first 6 terms, accompaniment <u>Special Ability Scholarships (\$1,500- 2,999)</u> FAR 104 in the first term Vocal -- MUS 191 or 192 every term, 4 semesters of voice lessons in the first 6 terms Instrumental -- MUS 190 or 195 every term, ATV 106 for 3 fall terms, 4 terms of instrument lessons in the first 6 terms Strings -- MUS 196 every term, 4 terms of string lessons in the first 6 terms Piano -- 4 terms of piano lessons in the first 6 terms, accompaniment <u>Honor Musician and Platte Vocal (\$3,000 and up)</u> FAR 104 in the first term Vocal -- MUS 191 or 192 every term, 7 terms of voice lessons in 8 terms Instrumental -- MUS 190 or 195 every term, ATV 106 for 3 fall terms, 7 terms of instrument lessons in 8 terms Strings -- MUS 196 every term, 7 terms of string lessons in 8 terms Piano -- 7 terms of piano lessons in 8 terms, accompaniment Tiger Pep Band Grant -- ATV 106
Theatre -	ATV 173 each term . Note: the maximum number of ATV credits that may be counted toward graduation is 6.

# **CREDIT BY EXAMINATION**

## **Doane College Test**

**Doane students who have a strong background in writing English may establish college credit through the Doane College test.**

1. The Doane test is administered by Doane faculty in English Composition (Eng 101) or by Doane faculty in Accounting (Acc 103).
2. If the student receives a score high enough to earn credit, that credit may be entered on the Doane College transcript at a tuition charge of \$50.00 per credit. The tuition charge for the Doane test must be paid prior to the beginning of the student's senior year.
3. If credit is earned and purchased, the grade given is "P" (Pass). This grade does not figure into the grade point average and is considered as "ungraded" credit. The credits do count toward the total credits for graduation.
4. If credit is earned and purchased, the student will receive three credits toward the fulfillment of the writing intensive ("W") requirement of the Doane Plan.

Doane also accepts credit from the College Level Examination Program (CLEP), Advanced Placement (AP), International Baccalaureate Diploma, and ACT PEP. For more information on these tests, contact the registrar or refer to the catalog.

**Students should be aware of the following before registering for tests:**

1. The student's transcript will show that they have the equivalency of a college course.
2. Credit earned and purchased applies toward the total number of credits needed for graduation.
3. Faculty in some disciplines prefer that students do not use credits earned through credit by examination for completion of a particular major.
4. If students transfer, some colleges may not accept credits earned through credit by examination.
5. Some professional and graduate schools do not accept test-outs.

**Questions students may ask themselves before registering for an exam and paying the fee:**

1. Why do I want the credit?
2. Do I plan to take a light load one semester or take extra credits and/or summer courses in order to graduate early?
3. Do I want to be able to enroll in more elective courses?
4. Do I want "padding" to cover a course I might fail?
5. Will a professional school or graduate program in which I am interested require that this course be taken for a grade?

**Contact the Registrar's Office for further information.**

## **PREREGISTRATION/ENROLLMENT DAY PROCEDURES**

### **Preparation for advising:**

1. Become familiar with the Advising Guide and WebAdvisor.
3. Check the orientation information sheets for restrictions on certain courses/sections at each enrollment day.

### **Procedures for advising:**

1. Check the information available on the student:
  - a. Check the gold sheet for special restrictions for this student and check the file or check on WebAdvisor for additional information.
  - b. For transfer students, check the registrar's sheet in the file or check the transcript on WebAdvisor for courses transferred in. If you need help, call the registrar's office.
2. Some students may need to meet with Academic Support Center staff before completing preregistration. [At summer enrollment days, an ASC staff member will talk with you just before the session begins about which students they need to see.]
3. Watch for credit limits for lower-ACT students (see the bottom of the gold sheet); for low-reading-ACT students, watch the reading load, but make sure they are in one reading-intensive course.
4. Check on WebAdvisor for any holds on the student. Their courses cannot be scheduled in the computer or at the registrar's office until the holds have been removed (there may be a delay between the time the student sees the required office and the time the hold is removed).
5. Ask if the student has any questions about the Doane Plan.
6. Ask about the intended major, talk about possible options, and help them be realistic while not discouraging them.
7. Have continuing students use Search for Courses on WebAdvisor to look up course information and put courses on their Preferred Sections List on WebAdvisor before they meet with you.
8. Select courses in this order:
  - a. Required courses -- check the gold sheet in the student's file for required courses. If you have questions, check with Sherri Hanigan, Karen Sookram, Tere Francis, or the academic affairs office.
  - b. Major requirements -- check the major or pre-professional sheet in this Guide to see if there are classes the student should or must take this term. Be sure to check the Table of Contents to make sure you are using the right sheet (some majors have emphases, certification, etc.)
  - c. Doane Plan courses -- be sure to fill out the Doane Plan worksheet as Doane Plan courses are taken. When selecting these courses, check the appropriate pre-professional or major sheet to see if specific Doane Plan courses are needed to fulfill requirements.
9. If you have problems entering the courses on the computer, please contact the registrar's office or the academic affairs office.

## **GENERAL ADVISING NOTES**

**Absences** -- Report students with two absences in a row, with a pattern of absences, or with excessive absences. Information on absences is used to identify students who may need help, so that help can be made available as soon as possible. Federal regulations require that Doane be able to prove the last date of attendance for students. The Financial Aid Office needs to be informed soon after a student stops attending classes. Doane will be in noncompliance if such absences are not reported to the government during the first thirty days of nonattendance. Also report students about whom you are concerned for any reason.

**Academic Dishonesty** -- If there is evidence that a student has been dishonest in class, the instructor must follow the instructions in the Faculty Handbook or Adjunct Faculty Handbook.

**Accounting** -- Accounting majors are not encouraged to take a second major. Students with strong accounting backgrounds may attempt to test out of ACC 103. Students wishing to test out of the course should contact an accounting faculty member and discuss the process in detail. To test out of Acc 103, students must first enroll in ACC 103 in the fall semester and pass a comprehensive examination (with a C- or better) within the first week of class. Then, upon passing the examination, the student may either continue in the course and receive a grade (A, B, C, etc.) or drop ACC 103, pay a fee, and receive credit for the course. In the latter case, the course will appear on the student's transcript as credit by examination, and the grade will be "P" (passed). NOTE: Some graduate schools in business require two graded accounting courses. To sit for the CPA exam in the State of Nebraska, students are required to take 30 credit hours of accounting beyond the Principles level (ACC 103 and 104), plus a number of non-accounting courses. To meet Nebraska's (accounting) hour requirement, Doane College Accounting majors need to take an upper level accounting course during an interterm offered in the student's sophomore, junior, or senior year (the accounting interterm will be offered in two out of every four years). Accounting majors should ALWAYS have an accounting faculty member as an academic advisor to help navigate the many requirements.

**ACT -- high composite scores** -- Students with exceptional academic promise should be steered into language study. Those interested in the Fulbright program should begin language study as a freshman. Contact the academic affairs office for more information.

**ACT -- low scores in reading** -- If a student has a low ACT in reading (below 20), please limit the number of courses taken that require a lot of reading, but make sure the student is in one reading-intensive course.

**Adding a course** -- Make sure when adding credits that the student has not been limited to a maximum number of credits. The maximum number of credits a student may take without getting permission and without paying additional tuition is 17 credits; for ESP students (new students with a composite ACT of 27 or more or a predicted GPA of 3.25 or more, or for returning students with a cumulative GPA of 3.25 or more) this maximum is 20 credits. Students wishing to take more than 20 credits must pay the extra tuition and must have their advisor's approval.

**Athletics** -- Please schedule student athletes with approximate game and practice schedules in mind. Games and travel times may take students away from campus on certain days, and courses should be scheduled with these days and times in mind so that the student misses as few days of class as possible. Coaches do not ask students to miss class or to avoid scheduling a class at 3:00 p.m. because of athletic practice. If you have any questions, contact the Athletic Director.

**Catalog of record** -- The catalog of record is the catalog used for requirements for the major. Major requirements must be met by following the catalog in effect during the student's year of entry or during subsequent terms of enrollment at Doane College. Students must declare their major and their catalog of record at the Registrar's Office.

**CED 205/Internships** -- CED205 is taken for "0" credit hours, lasts four weeks, and is offered at the beginning and toward the end of each semester. Students need to attend all four sessions of the class. Students interested in doing an internship should register for CED205 in the freshman or sophomore year. Be sure to note any internship requirements or restrictions in the major. A total of 12 internship credits may be applied toward the 132 credits required for graduation. Internships during the junior and senior years provide students with much needed experience in the chosen career field as well as frequently leading to employment with the internship site.

**Changing advisors** -- Students who wish to change advisors must do so officially through the registrar's office and must obtain the signature of the new advisor.

**Changing a grade** -- An instructor may change a grade already reported only if a computational error has been made or if the instructor has mislaid work that has subsequently been found. This change must be made through the registrar's office. A student has only ten days after the final grade report is posted to report an error or omission. Senior grades in May are considered correct and complete when processed just prior to Commencement.

**Changing the major** -- A student must change the major at the registrar's office.

**Commencement: taking part before completion of requirements** -- A student may take part in the Commencement ceremony: (1) if only one course is still to be completed and if that course is available at Doane during the summer (or elsewhere if the course is not available at Doane and has the registrar's approval), (2) if the student has preregistered for the course, and (3) if the student's cumulative GPA and major GPA at the end of the spring term are each 2.00 or above. Arrangements must be made in advance through the registrar's office.

**Common courses** -- A student who chooses to complete more than one major, minor, emphasis, or any combination may fulfill the requirements by using common courses unless otherwise specified.

**Course substitutions/other exceptions** -- For students seeking a substitution or other exception due to a disability, documentation of the disability must be provided upon request.

A form and committee approval is no longer needed for substitutions in a major/minor. Doane Plan substitutions will still need a form and will go to the DP committee. Students who need a substitution in their major can follow these procedures:

- A. The student and advisor provide the registrar with the request for making course substitutions in a major or minor. The request must contain a rationale for the change.
- B. The advisor and student must request supporting documentation from faculty in the content area if the advisor does not work within the major.
- C. The advisor and student must request approval from the division chair in which the major/minor is found.
- D. The registrar will make the appropriate changes in the major/minor as requested by student/advisor.

*NOTE: The request, supporting documentation, and approval can be created, distributed, and forwarded to the registrar via email. A paper form is not required.*

**Credit limits** -- Some new students and most probationary students are given credit limits when it seems that taking more credits would impair the student's chance of being successful. Please do not deviate from the recommendations noted on the bottom of the gold sheet in the new student's file or from the limits stated in a student's probationary letter.

**Cross Enrollment with Doane Lincoln** -- Crete students who wish to take a course at Doane Lincoln during a regular academic term must receive permission from the VPAA. No special permission is required for Crete students to take courses in Lincoln during the summer, but students should contact the registrar before enrolling in a course in order to verify that the course meets certain requirements. Forms are available in the registrar's office.

**Declaring a major** -- As soon as the student has chosen a major, the student must complete an official declaration of major form at the registrar's office. The student and advisor should work through the courses to be taken during the remaining terms at Doane to help prevent future problems with alternate year courses and possible problems with timing of prerequisites for courses.

**Degree audits** -- Degree audits/program evaluations are available through WebAdvisor. Look over the audit with your advisee and plan out the rest of the student's terms at Doane in order to prevent problems later.

**Directed studies and tutorials** -- Forms are available in the registrar's office and must be filled out in advance of preregistration.

**DLC 103 & 107 scheduling** --DLC 103 and DLC 107 are scheduled at the same time. DLC 103 is the first half of the term and DLC 107 is the second half.

**DLC/DSS differences** -- DLC and DSS courses are not interchangeable. DSS courses are funded by a federal grant and students who participate in these courses must meet federal eligibility guidelines. The gold sheet in the student's file will state which course needs to be

taken. It is possible, and even encouraged in some cases, for DSS-eligible students to enroll in some DLC courses, but only DSS-eligible students may enroll in DSS courses.

**DLC/DSS requirements** -- DLC/DSS courses listed on the gold sheet in the student's file are required unless otherwise noted on the sheet. Please schedule students into these courses as noted on the gold sheet and as follows:

- **Writing** -- (DLC 116, DSS 117) If required, the student must earn a C- before Eng 101 may be taken. Take DLC 116 or DSS 117 during the fall term.
- **Reading** (DLC 103/107, DSS 118) -- If required, the course(s) must be scheduled fall term. Have the student take at least one additional course that is reading-intensive, since the readings for that course will be used in teaching the DLC/DSS course, but limit the number of reading-intensive courses for that term.
- **Math** (DLC 090, DSS 090) -- If required, the course must be completed with a grade of C- or higher before any other math courses may be taken. Students should be urged to take it as soon as possible, while they remember their high school math. Students completing DLC/DSS 090 are required to complete a minimum of 135 credits for graduation.

**Dropping a course or activity** -- Make sure dropping a course or activity does not change the student to part-time (fewer than 12 cr.) or affect the student's financial aid, scholarships, or athletic eligibility. After Census Day, students must officially drop a course or activity at the registrar's office and a "W" will appear on the transcript. Failure to officially drop a course or activity may result in a grade of "F" which will appear on the transcript and will be figured into the student's GPA. (See also "International student credit loads.")

**ENG 100** -- If required, the student must earn a C- before Eng 101 may be taken. New international students for whom English is not their native language must complete Eng 100 with a C- before enrolling in Eng 101.

**English 101** -- First-year students with high ACT English scores and strong grades in high school English may wish to try to test out of English 101. Check with Betty Levitov or Brad Johnson for information on test outs. She/he will notify the registrar's office of results. If the student passes, she/he must pay \$150 (\$50/credit) at the business office, then the course is put on the transcript. Some professional programs and graduate schools do not accept test-outs. Check the gold sheet in the student's file to see if the student should take Eng 101 or DLC/DSS. Generally, students who are not required to take a DLC/DSS writing course but who do not have strong writing skills should take Eng 101 in the fall. Students who have strong writing skills can wait until spring to take it.

**ESP students** -- Entering first-year students must have a minimum 27 composite score on the ACT to be eligible their first semester. Entering transfer students must have a combined minimum 3.5 cumulative grade point average and completed 24 semester hours from their previously attended institutions. Thereafter, a cumulative grade point average of 3.25 must be earned or maintained each term to gain or continue eligibility for the next term.

**Extra costs for credits above 17** -- ESP students must pay extra tuition for credits above 20. Other students must pay extra tuition for credits above 17.

**Financial Aid** -- See the catalog or contact financial aid (8260) for answers to questions.

**Foreign language** -- Generally, students with two years in one language in high school should begin at the 200-level in that language, depending on when the language was taken. If the student feels there is some doubt about whether he/she is ready for that level, try to leave the time open for the lower-level course. Check with the instructor in that language if you think a student may be ready for a 300-level course. Opportunities are available to study abroad for those students interested in a language major; students should contact Jan Willems for further information.

**Good standing** -- Following are the cum GPAs required to be in good standing.

<u>Credits attempted</u>	<u>cum GPA</u>
12-35	1.70 or above
36-59	1.85 or above
60+	2.00 or above

**Greek Week** -- All students involved with Greek Week and Greek-related activities are expected to be in attendance at all classes and other events related to academic work.

**Honors Program** -- Selected students are invited to apply during their first fall at Doane. Students selected must maintain a cum GPA of 3.50. (See the Honors Program advising section of this Guide or contact Molly Rozum for further information.)

**Honors requirements** -- Students with high academic promise should be made aware of the following requirements for honors:

- Dean's List -- at least 12 graded credits with a 3.70 or higher
- Honors in Course -- Dean's List both terms & complete at least 30 graded credits for the year
- First-year honor societies (Alpha Lambda Delta/Phi Eta Sigma) -- 14 graded credits with a 3.50 or higher for the first term, or 28 graded credits with a 3.50 or higher for the first two terms.
- Honor societies for specific majors have their own requirements.

**Incompletes** -- An "I" may be given by an instructor if a student is not able to complete the work by the last day of the course because of **sickness or other extenuating circumstances** which that student has discussed with the instructor. The grade of "I" is given **at the discretion of the instructor, not the student**. The latest date for completion is usually 30 calendar days after the official ending of the course, but the instructor may set a different date. If no grade is received from the instructor by that date, a grade of "F" becomes the official grade.

**International student absences** -- Report international students with two absences in a row, with a pattern of absences, or with excessive absences to the SEVIS compliance officer (8215-jan.willems@doane.edu). Federal SEVIS regulations require that Doane be able to prove international students have maintained their F-1 student status by attending class. Doane will be in noncompliance if such absences are not reported to the government throughout each term.



**International student credit loads** -- International students attending Doane must be full-time (12 credits or more) during their first and subsequent terms at Doane. With prior approval of the SEVIS compliance officer (8215- jan.willems@doane.edu) (who will complete paperwork requesting INS approval for less than full-time enrollment), they may be less than full-time during their first term. If an international student is having academic difficulties during the first term, it may be beneficial to contact the SEVIS compliance officer to discuss contacting the INS for permission to reduce the course load. International students who drop below 12 credits without INS pre-approval are considered out of status and are present in the U.S. illegally the day they drop below 12 credits. Doane is legally required to submit information about international student course load. Please check with the SEVIS compliance officer before making any changes that will impact an international student's status.

**International student major/minor:** The Doane College SEVIS compliance officer must notify the INS each time an international student makes a change in his/her major/minor. Failure to do so will result in a lack of INS benefits for the student. Please contact the SEVIS compliance officer immediately each time an international student makes a change in a major or minor.

**Internships** -- If students want to do an internship, have them contact Career Development. Remind them that CED 205, a cum GPA of at least a 2.00, sophomore standing, and permission of the Career Development Director are prerequisites for an internship experience.

**Interterm** -- Full-time, degree-seeking students are required to complete an Interterm during their first year. If students are not registered for an Interterm course in January, they may not stay on campus during that month unless they have special permission from the Dean of Student Leadership. If a student registers for an off-campus Interterm course scheduled for a summer month and for an additional course during January, tuition will be charged for the three credits of instruction for the summer course. Graduating seniors who plan to take an off-campus Interterm after their May graduation may participate in the ceremony. However, all coursework must be completed and the grade processed in the registrar's office before the diploma and any graduation honor can be awarded. For transfer students the number of Interterms required may be different.

See "Interterm Requirement" for the number of Interterms needed for transfer students. Students may take a second interterm in an academic year, but they must pay tuition for the second interterm.

**Mathematics** -- Please urge students to take the required math course as soon as possible, while they retain more of the math they learned in high school. Before enrolling a student in a math course, please check to see if a specific math course is required or recommended for the student's intended major. REMINDER: Students required to take DLC/DSS 090 must complete that course with a C- or higher before taking a Math course. They are also required to complete a minimum of 135 credits for graduation.

<b>Enroll in:</b>	<b>If the student:</b>
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<b>MTH 235</b>	<ul style="list-style-type: none"> <li>• has an ACT Math score of 23 or better AND has taken pre-calculus or trigonometry.</li> <li>• intends to major in Math, Computer Science, Physics, Economics, or Chemistry</li> <li>• intends to focus in one of the following areas in Biology: Pre-Med, Pre-Dental, Pre-Vet, Pre-PT, Pre-Optometry, or grad school</li> </ul>
<b>MTH 125</b>	<ul style="list-style-type: none"> <li>• needs MTH 235 for their major and meets one of the following: <ol style="list-style-type: none"> <li>1. has an ACT Math score of 22 or lower</li> <li>2. has not taken Pre-calculus or Trigonometry</li> </ol> </li> <li>• intends to major in Biology or Environmental Science and is not taking MTH 235</li> </ul>
<b>MTH 115</b>	<ul style="list-style-type: none"> <li>• intends to major in Accounting, Business, or IST and is not taking MTH 235</li> </ul>
<b>MTH 108</b>	<ul style="list-style-type: none"> <li>• needs an algebra-based course with an emphasis on practical applications</li> </ul>
<b>MTH 107</b>	<ul style="list-style-type: none"> <li>• needs a basic problem-solving course suitable for students in any major</li> </ul>

**Music scholarships** --If there are questions about the requirements of a music scholarship, check the gold sheet in the student’s file or contact Jay Gilbert or Kurt Runestad. Register new voice students for Collegiate Chorale (Mus 192), but for students intending to be vocal majors or those who have vocal music scholarships, try to leave the Doane Choir (Mus 191) time slot open in case they do audition into choir. Register new band students for Concert Band (Mus 190). See also “Scholarship Requirements” in this guide.

**Pass-Fail courses** -- Some graduate and professional programs do not allow students to take required courses at Doane as pass-fail and/or do not allow students to test out of required courses. If you have questions about requirements, check the pre-professional advising sheet or contact the program advisor listed on the sheet. For the rules and limits on Pass/Fail, see “Pass/Fail Grading Options” in the catalog.

**PEd 104** -- This course is completed mid-term.

**Permission for courses** -- If a course requires permission, the student must get the instructor’s signature on an add form and take the form to the registrar’s office.

**Repeating a course** -- A student may repeat a course in which a D+ or below was earned. The original grade will still show on the transcript, but the grade earned when the course was repeated will be used in calculating the GPA. Repeating a course may have athletic eligibility or financial aid implications. Check with Peg Hart or the registrar concerning athletic eligibility.

**Scholarship requirements** -- For new students, check the gold sheet for scholarships to see if there is a required course or activity. If a student has several special scholarships, have the student consider taking a lighter load to allow for the extra time required by these scholarships. Keep in mind that there are requirements concerning graded credits to be eligible for academic honors.

**Secondary education students** -- These students should meet with Tom King, Frank Daniels, or Linda Kalbach early in their first term and prior to preregistration each term.

**Special ability scholarships** -- Students with art, music, theatre, and athletic scholarships must meet special eligibility requirements in order to keep their scholarships.

**Study Abroad** -- French, German, and Spanish majors are required to study abroad for one term. Students in the Honors Program also study abroad for one term or a summer. Students who plan to study abroad should contact Jan Willems as early as possible. A plan of study should be created for the student's remaining terms at Doane.

**Taking a course at Doane Lincoln or at another institution during a regular term** requires the permission of the Vice President for Academic Affairs. Students may take courses at Doane Lincoln during the summer with no special permission required. Students who wish to take courses at another institution during the summer should consult with the registrar's office to make sure the courses will transfer back to Doane as needed. Forms are available in the registrar's office.

**Theatre students** -- Theatre students (majors and those with scholarships) work on plays late at night. If possible, try to keep them out of early morning classes.

**Transfer students** -- Check the transcript on WebAdvisor for a list of transfer credits accepted. Make sure a student has not signed up for a course for which he/she has already received credit. If the transfer courses are not on the transcript, call the registrar's office for updated information.

**Withdrawing from a course** -- After Census Day (and before the deadline), the student must take a signed drop form to the registrar's office to officially drop a course and receive a "W" grade.

**Withdrawing from Doane** -- The withdrawal process begins in the student leadership office. See the catalog under "withdrawals" for further information.

## **ADVISING NOTES: GENERAL REQUIREMENTS & DOANE PLAN**

### **GENERAL REQUIREMENT NOTES**

#### **Prohibition against using a course to fulfill two requirements of the Doane Plan**

One course may not be used to fulfill two requirements for the Doane Plan. The only exception to this is that a course may fulfill a requirement for the Doane Plan and still be counted toward the "W" requirement.

#### **Counting a course for the major and the Doane Plan**

A course may be counted toward a major or minor and also fulfill a requirement of the Doane Plan. For example, HIS 105 may be used toward the History Major and may also fulfill one of the Heritage Studies requirements for the Doane Plan.

#### **New course options**

Any course added to a Doane Plan category may be used as an additional option in that category regardless of the student's catalog of entry.

#### **Pass-Fail option**

Up to two Doane Plan courses may be taken Pass/Fail. If a student transfers in two or more courses for the Doane Plan, that student may not take any Doane Plan courses at Doane on a Pass/Fail basis. Students may not take a course using the Pass/Fail option until the junior or senior year. Note: Some graduate and professional schools do not recognize or accept Pass/Fail courses.

### **DOANE PLAN REQUIREMENTS**

Check major, minor, and/or pre-professional requirements before selecting a course.

#### **Heritage Studies**

1. HIS 105 or 106 or 205 or 206 (1 course)
2. ENG 205 or 206 or 237 (1 course)
3. PRE 110 or 111 or 120 or 121 or 231 (1 course)

#### **Contemporary Issues**

1. PSI 101 or PSI 105 or ECO 203 or EDU 211 (2 courses with different prefixes)
2. PSY 117 or SOC 109 (1 course)

#### **Cultural Perspectives**

One of the following:

1. One semester of a foreign language or the equivalent of one semester of study abroad.
2. One course (usually taken as a junior or senior) from: ANT/SOC 308; BUS 346, 357; CMS 321; ECO 347; ENG 329; GEG 301; HIS 321; HIS 302, HIS/INT 314, 317, 318, 349; HIS/PSI 342; INT 310, 311, 315; PHI 305; RST 328; SOC 324.
3. If it is not possible to take any of the above courses, a student, with the permission of the Vice President for Academic Affairs, may meet this requirement by satisfactorily completing a College-sponsored international study tour and any additional stipulated requirements.
4. International students are considered to have met this requirement at matriculation.

### **Natural Science**

1. Two courses, one of which must be a lab course, from: BIO 101, 120\*, 121, 226, 260; CHM 101, 125, 126; GEO 101, 103, 107 (with/without lab), PHY 107, 108, 201, 202; AST 103 (with/without lab); PHS 105 [\* 101 or 120, both may not be counted]

### **Mathematical Reasoning**

1. MTH 107, 108, 115, 125, 235 (1 course)

### **Communication** (Met by successful completion of the following three requirements.)

1. ENG 101 or 201 (in the first year) (may test out of ENG 101 and purchase the credit) (See "English" for additional information.)
2. CMS 112, 210, 220 (1 course)
3. At least 15\* credits of "W" courses, six of which will be above the 100 level (3 applied writing credits for the Owl or Xanadu can substitute for one three-credit "W" course)(Students who test out of Eng 101 will receive credit for that course toward fulfillment of the "W" requirement.)

\*Exceptions in the required Number of "W" credits:

Students with transfer cr.:	Transfer Cr.	"W" Cr. Required
	1-30	12
	31-60	9
	61-99	6

Students on campus 2-3 years who will complete their program elsewhere:

Doane Cr.	"W" Cr. Required
1-30	6
31-60	9
61-99	12

### **Aesthetic Perspective**

1. Three cr. from: ART 107, 110, 204, 205, 207, 221, 222, 234, 235, 245, 252, 254; ATV 106, 173; FAR 103, 104; JOU 240; MUS 190, 191, 192, 195, 196, 111, 112, 211; THE 101, 103, 108, 109. [NOTE: MUS 105, 106, 107, 108 may not be counted toward this requirement.]

### **Health and Well-being**

1. PED 101
2. PED 104

### **Liberal Arts Seminar (LAR 101)**

All new students must take the Liberal Arts Seminar their first term at Doane, unless they transfer in 30 or more credits or have attended another institution for two terms/semesters as a full-time student. Successful completion of the Liberal Arts Seminar is required for graduation. There will be a section of LAS offered in the spring term for new students and those who need to retake it.

### **Liberal Learning**

1. Complete nine credits of courses at the 300 or 400 level in at least two different disciplines/prefixes that are not listed in the core requirements for the student's primary major **or** complete six credits outside the primary major at the advanced level, 300 or 400 level, and Liberal Arts Seminar 101 (LAR 101). (The disciplines/prefixes may be from the cognates for the primary major or from a secondary major or a minor, providing these disciplines/prefixes are not also listed as part of the core requirements for the primary major.)
2. One or two semesters of a single foreign language **at any level** can be applied toward the three required courses, providing that the course(s) are not being used to fulfill another requirement of the Doane Plan. International students may substitute Eng 201 for the one semester or Eng 201 and any literature course for the two semesters of a foreign language. All students who completed a Liberal Arts Seminar (LAR) course can count those credits toward the liberal learning component.
3. Students in interdisciplinary majors (listed in the catalog) are considered to have fulfilled this requirement through their majors.
4. Cross-referenced courses may be used unless one of the prefixes for the course is a prefix listed in the core requirements for the major.
5. Directed studies may be used to fulfill this requirement, provided the directed study prefix is different from a core prefix in the major.
6. Internships may not be used to fulfill this requirement.

### **INTERTERM REQUIREMENT**

1. All full-time, degree-seeking students are required to complete an Interterm during their first year.
2. Four Interterms are required by the Four Year Guarantee.
3. New students are required to take nine credits of Interterm, six credits of which must be ITM prefixed.
4. Transfer students use the chart below to determine the number of Interterms required.

<u># transfer credits</u>	<u>Interterm credits required</u>
1-30	9 (6 must be ITM prefixed)
31-60	6 (3 must be ITM prefixed)
61-99	3 (3 must be ITM prefixed)

### **GENERAL COMPETENCIES**

#### **Mathematics Competency** (Met by any one of the following)

1. ACT math score of 19 or higher
2. SAT math score of 500 or higher
3. Pass Doane's Computational Skills Test
4. Complete DLC 090 or DSS 090 with a grade of C- or higher

#### **Writing Competency** (Met by any one of the following)

1. ACT English score of 19 or higher
2. Complete DLC 116 or DSS 117 with a C- or higher
3. For international students, complete Eng 100 with a grade of C- or higher

## **2008-09 HONORS PROGRAM**

The Honors Program is designed to enrich, in a variety of ways, the educational experience of selected Doane students. Specialized, interdisciplinary, one-credit honors (302) seminars form the intellectual core of the program. One other important component of the Honors Program is a study abroad experience undertaken during the junior or senior year.

The first year honor's student is required to enroll in HNR 200 their spring semester, which is an introduction to the concept of honors study. Honor's students will take additional honors courses (HNR 302) every semester they are on campus, with the culminating experience being a collaborative research seminar (HNR 402) and required for all honors students in the cohort during their final spring semester at Doane. Student initiative, creativity, and leadership are expected in all phases of the program.

### **Application**

All first-year students will be invited to apply for the Honors Program during their first fall semester at Doane. Students must fill out an application, submit an essay, and have one Doane College faculty member write a letter of recommendation. The new Honors cohort will begin the Honors Program in the spring semester.

### **Criteria for Admission**

Students must be selected for entry into the Honors Program by a faculty committee and the VPAA. Talented students will be screened and chosen according to their academic potential, written and oral communication skills, accomplishments and talents, leadership, and commitment to academic excellence.

### **Criteria to Remain in the Honors Program**

Once in the Honors Program, the student must maintain a minimum cumulative GPA of 3.50. A student whose cumulative GPA falls below 3.50 may appeal to the Honors Program Committee to continue in the program.

### **Other Requirements of the Honors Program**

1. Attend *cultural and/or social gatherings* for honors students each term the honors student is on campus.
2. Begin *portfolio review* spring term of the first year and continue until the final portfolio review the senior year.
3. Undertake *community service*, with an emphasis on taking leadership roles, during the junior and senior years.
4. Plan for and work on the *honors project* (a collaborative, interdisciplinary project) beginning during the sophomore year and continuing through the senior year. Students will be expected to present their collaborative research project as well as their experiences in the honors program with other students in the honors program. Students will be encouraged to present their honors project at a national conference of honors programs.

## **Doane Plan Option**

Honors students may design their own “*Doane Plan*” by selecting courses within Doane Plan categories to meet general educational requirements of the College. The Honors Committee must approve the proposed substitutions.

## **Criteria to Graduate from the Honors Program**

In addition to the graduation requirements for all students, the Honors student must:

1. fulfill the requirements of the program as specified in the Honors Handbook
2. have a cumulative GPA of at least 3.50

If these criteria are met, an Honors Program designation will appear on the student’s transcript after graduation.

(Program advisor is Dr. Molly Rozum)



## PREPARATIONS FOR GRADUATE SCHOOL

A student considering graduate school should begin the process no later than the junior year. A timetable for applying to graduate school programs is outlined below. A more complete timeline and more information are available from the career development office.

### **Junior Year**

- Do research on possible schools and request needed catalogs and applications.
- Take any required tests towards the end of the junior year.
- Assist with a project or get an internship in the field.

### **Senior Year**

#### **Summer/September**

- If not already done, take the standardized tests for admission.
- Choose which faculty members to ask for letters of recommendation.

#### **October**

- Research sources of financial aid.
- Write a draft of statement of purpose, and ask faculty or career development to critique.
- Ask faculty for letters of recommendation. Provide a copy of transcripts, resume, statement of purpose or anything else they will find helpful to write a knowledgeable recommendation.

#### **November/December**

- Arrange for official transcript to be sent to each program for which application is made.
- Finalize essays and statement of purpose.
- Apply for fellowships and other sources of financial aid.
- Check and record the due date for each application.
- Complete application forms for applications due early.

#### **January**

- Complete and mail the application forms for each school

#### **February**

- Prepare for admissions interviews.
- Fill out the Federal Student Aid (FAFSA) application. Tax forms are needed.

#### **March/April**

- The student should visit schools to which she/he has been accepted.
- Notify the programs whether or not accepting.

**Career Development** has the Peterson's Guides to Graduate Programs series as well as test preparation books, books on writing your essay, study guides for entrance tests and graduate test applications. Check out the Career Development website for other helpful information and links concerning graduate school.

**The Academic Support Center** provides test preparation materials, workshops, and individualized assistance for students wishing to enter graduate school or teacher education programs. Roy Scheele provides assistance with scholarship and personal essays. Contact Eric Vaughn in the Career Development office for help or further information.

## ACCOUNTING MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
ACC 103&lab	ACC 104&lab	ACC 231	ACC 232
ECO 203	ECO 204	BUS 242/251	ACC 322/411/335*
		BUS 226	BUS 251/241
			BUS 205
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BUS 341	ACC 321/427**		ACC 421***
	ACC 322/411/335*		BUS 497
			ACC 321/427**
			ACC 322/411/335*

\* Courses are offered in the spring semester on a 3-year rotating basis:

ACC 411 - Spring 2007, 2010, etc.

ACC 335 - Spring 2008, 2011, etc.

ACC 322 - Spring 2009, 2012, etc.

\*\*ACC 321 is offered even springs; ACC 427 is offered odd springs

\*\*\* A minimum of one credit (and maximum of three credits) of ACC 421

### Additional requirements:

1. Complete a total of 32 credits in accounting
2. MTH 115 or 235 (take first year, if possible)
3. BUS 215(or MTH 356)
4. All 300 and 400 level accounting courses must be completed in residence. Business and economics faculty must approve any and all exceptions.

### Requirements to write the CPA Examination in the State of Nebraska:

Any student interested in taking the CPA examination in Nebraska must meet the state-mandated "150-hour rule." Students should work closely with their academic advisor to be sure that they are aware of all available options, which may include graduate work. An upper-level accounting course may be offered during the interterm to help students fulfill the requirement to complete 30 hours of accounting above the principles level.

1. Complete all requirements for the Accounting major.
2. Have a total of 150 hours of credit that includes 60 semester hours in topics that include oral and written communication skills, mathematics, arts, natural sciences, social sciences, humanities and statistics. Students may complete internship hours (Acc 421) in excess of the three that count toward the 30-hour rule, and these will count in meeting the 150-hour requirement.
3. Complete BUS 339 (offered fall of odd years)
4. BUS 342 (when offered) is strongly recommended.

**ART MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
ART 107/207 EDU 101 (Rec.)	ART 110	ART 107/ 207 EDU 211	ART 307 ART 310 EDU 221 IST 201
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab ART 315 EDU 325	EDU 361 ART 326 ART 320 EDU 341& lab	ART 325 EDU 455 Group Exhibition	

**Additional requirements:**

1. ART 201, 204, 205, 209, 211, 221, 235, 252, 358
2. Art majors should take ART 204, 205, 252, and 358 by the end of the junior year.
3. Seven additional elective credits in art
4. Students must complete all requirements for Secondary Education.
5. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Scholarship requirements:**

1. Students with special ability scholarships in art must take two art courses per year, one of which must be a studio course.

**Special Notes:**

1. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**ART MAJOR**  
**Graphic Design Emphasis**

**First Year**  
**Fall**                      **Spring**  
ART 107/207              ART 110

**Second Year**  
**Fall**                      **Spring**  
ART 107/207              ART 307

**Third Year**  
**Fall**                      **Spring**

**Fourth Year**  
**Fall**                      **Spring**

**Additional requirements:**

1. ART 204, 205, 235, 252
2. 18 additional credits chosen from: ART 234, 225, 256, 258, 270, 303, 304, 357, 403, 404
3. Minimum of 13 (maximum of 23) additional elective credits in art
4. Participation in a group senior exhibit

**Scholarship requirements:**

1. Students with special ability scholarships in art must take two art courses per year, one of which must be a studio course.

(Program advisor: Richard Terrell.)

**ART MAJOR  
Liberal Arts**

**First Year**  
**Fall** ART 107/207  
**Spring** ART 110

**Second Year**  
**Fall** ART 107/207  
ART 204 or 252  
**Spring** ART 307  
ART 205

**Third Year**  
**Fall** ART 204 or 252  
**Spring**

**Fourth Year**  
**Fall** Group Exhibition  
**Spring**

**Additional requirements:**

1. ART 235
2. A minimum of 12 (maximum of 24) additional credits in elective studio courses

**Scholarship requirements:**

2. Students with special ability scholarships in art must take two art courses per year, one of which must be a studio course.

**ART MAJOR  
Professional**

<u>First Year</u>	
<u>Fall</u> ART 107/207	<u>Spring</u> ART 110

<u>Second Year</u>	
<u>Fall</u> ART 107/207 ART 204 or 252	<u>Spring</u> ART 307 ART 205

<u>Third Year</u>	
<u>Fall</u> ART 204 or 252	<u>Spring</u>

<u>Fourth Year</u>	
<u>Fall</u> Group Exhibition	<u>Spring</u>

**Additional requirements:**

1. ART 235
2. Minimum of 31 (maximum of 41) additional credits in art

**Scholarship requirements:**

1. Students with special ability scholarships in art must take two art courses per year, one of which must be a studio course.

**BIOLOGY MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 120	BIO 121	BIO 260	BIO 348
CHM 125	CHM 126	EDU 211	Edu 221
MTH 107 or 108		BIO 295	NSI 322
EDU 101 (Rec.)			IST 201
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab	NSI 326	EDU 453	
BIO 351	EDU 361	NSI 327	
EDU 325	EDU 341& lab		
NSI 324	BIO 494		

**Additional requirements:**

1. PHY 107
2. GEO 103 or 101
3. At least one course chosen from each of the following groups, plus two additional courses chosen from the group(s) below for a total of five courses. BIO 340, Evolution, can count in any of the three groups.
  - (a) BIO 308, 320, 330, 340, 355, 356
  - (b) BIO 340, 342, 345, 350, 353
  - (c) BIO 317, 335, 340, 349, 412
4. Complete all requirements for Secondary Education.
5. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Recommended courses:**

1. MTH 235

**Special Notes:**

2. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## BIOLOGY MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 120	BIO 121	BIO 260	BIO 202
CHM 125	CHM 126	CHM /PHY*	CHM /PHY*
			BIO
		BIO 295	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO	BIO	BIO/CHM495	BIO/CHM496
BIO / CHM 351		BIO	BIO

\*take PHY 107 & 108 or take 8 additional credits of chemistry

### Additional requirements:

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. BIO 340 can count in any category.
  - a) BIO 308, 320, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Maximum of 4 credits of directed study may be counted toward the major
3. MTH 107 or 108 or higher (235 is strongly recommended)
4. Pass a departmentally administered exam with a score of 60% or higher.
5. Additional requirements are listed in the catalog.

(Program director: Dr. Kate Marley)

(Additional advisors: Dr. Barb Clement, Dr. Brad Elder, Dr. Russ Soucek)



## BIOCHEMISTRY MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 120	BIO 121	BIO 260	BIO 335*/elective
CHM 125	CHM 126	CHM 205	CHM 206
MTH 235	ENG 101	PHY 107/201	BIO /Chm
LAR-101	D Plan	D Plan	D Plan
	PED 101	PED 104	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 335*/elective	CHM 408*/elective	BIO/CHM 495	CHM 408*/elective
CHM 303	BIO/CHM 351	D Plan	BIO/CHM 496
BIO/CHM	BIO/CHM	D Plan	D Plan
D Plan	D Plan	D Plan	D Plan
	D Plan	D Plan	Elective
		Elective**	

\* alternate year courses

\*\* or take a minimum of two additional credits at some point

### Additional requirements:

1. Three courses chosen from BIO 317, 348, 349, 355, 356, 412, CHM 322, 326, 411. At least one course must have a BIO prefix and at least one course must have a Chm prefix.

### Recommended courses:

1. BIO 295, PHY 108 (or 202), and MTH 236 are strongly recommended.

### Special notes:

1. MTH 236 is a prerequisite for CHM 411.
2. PHY 108 is required for entrance into most medical schools.

## BUSINESS ADMINISTRATION MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
ACC 103&lab	ACC 104& lab	BUS215 or MTH356	BUS 212
ECO 203	ECO 204	BUS 251	
MTH 115 or 235		BUS 226	
		BUS 242	
		BUS 205	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BUS 341	BUS 302		BUS 497

### Additional requirements:

1. Complete 9 additional credits of 300/400 level Business courses (excluding 317, 319, 321, 421) with at least 3 of those credits at the 400 level.
2. BUS 497 plus 6 credits at the 300/400 level (excluding 317, 319, 321, 421) must be completed in residence through the division of economics and business.
3. No more than 48 credits of BUS -prefixed courses may apply toward graduation.

### Special Notes:

1. BUS 307 and 394 should not be taken the same term.
2. BUS 394 (Investments) should be taken spring of jr. year
3. Students choosing a business administration major may want to focus on a specific functional area of business and should consider the following suggested electives for each area:

**Graduate school:** BUS 339, Mth 235. Pre-law students should consult with the pre-law advisor for further details.

**General management:** BUS 312, 315\*, 339, 342, 346, 410, 496\*; other relevant course: PSY 336 (prereq of PSY 117 or SOC 109).

**Finance:** BUS 307, 394\*, 445, 460\*; other relevant courses: ACC 231\*, 232, MTH 235, 236

**Human resource management:** BUS 312\*, 315, 346, 410, 418; other relevant courses: PSY 336 (prereq of PSY 117 or Soc 109), 365 (prereq of PSY 117), SOC 324, CMS 321.

**International business:** BUS 346, 357, 496, BUS/ECO 358 (prereq of ECO 203); other relevant courses: HIS 353, SOC 308, CMS 321, and foreign language courses\*.

**Marketing:** BUS 301, 324, 357, 452; other relevant courses: ART 258 (prereq of ART 107), IST 407 (prereqs of IST 145, 307), CMS 321. Other art courses are also valuable (Art 270, 303, 304).

\* Often required in careers in this field.

**BUSINESS PRINCIPLES MAJOR**  
**Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
ACC 103&lab	ACC 104&lab	BUS 215 or MTH 356	BUS 212
ECO 203	ECO 204	BUS 251	BUS 317
MTH 115 or 235		EDU 211	EDU 221
EDU 101(Rec.)		BUS 226	IST 201
		BUS 242	
		BUS 205	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BUS 319	BUS 302	BUS 325	
BUS 341	BUS 321	EDU 453	
EDU 321	EDU 341		
EDU 325	EDU 361		

**Additional requirements:**

1. Completion of a second teaching major and its methods courses.
2. Satisfactory completion of the typing tutorial at the advanced level.
3. Completion of all requirements listed under the catalog section Secondary Education.
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

3. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**CHEMISTRY MAJOR**  
**Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125	CHM 126	CHM 205	CHM 206
Mathematics		EDU 211	EDU 221
EDU 101(Rec.)			NSI 322
		IST 201	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 411	CHM 412	EDU 453	CHM 496
EDU 321& lab	EDU 361	NSI 327	
NSI 324	EDU 341& lab	CHM 495	
EDU 325	NSI 326		
	CHM 351		

**Additional requirements:**

1. CHM 303, 408
2. One additional course in chemistry at 300-400 level.
3. PHY 107 & 108 (or 201, 202)
4. BIO 120
5. AST 103 and 103L or Geo 103 or Geo 101
6. MTH 235, 236
7. Completion of a second teaching major or subject endorsement.
8. All requirements listed under Secondary Education in the catalog.
9. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## CHEMISTRY MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	CHM 125 Mathematics	<u>Fall</u>	CHM 205
		<u>Spring</u>	CHM 126
			CHM 206
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>		<u>Fall</u>	CHM 411
			CHM 495
	<u>Spring</u>	<u>Spring</u>	CHM 412
	CHM 351		CHM 496

### Additional requirements:

1. CHM 303
2. Two additional courses from CHM 322, 326, 408
3. MTH 235, 236 (Calc I & II)
4. PHY 107, 108 (or 201, 202)

### Recommended courses:

1. German 101 & 102
2. IST 145 & 146
3. BIO 120
4. CHM 491
5. Recommended electives are advanced courses in BIO, IST, MTH, PHY, 3-dimen. ART 110, Management

## COACHING ENDORSEMENT

<u>Fall</u>	<u>First Year</u>	<u>Spring</u>	<u>Fall</u>	<u>Second Year</u>	<u>Spring</u>
			PED 221*		
<u>Fall</u>	<u>Third Year</u>	<u>Spring</u>	<u>Fall</u>	<u>Fourth Year</u>	<u>Spring</u>
PED 345** -- or ----		PED 346			

\* PED 221 could be taken the first year

\*\*BIO 101 is recommended as a prerequisite to this course.

### Additional requirements:

1. PED 106
2. Four courses chosen from the following: PED 308, 309, 310, 311, 312, 314  
Begin taking these courses in the second year.
3. A teaching major

### Recommended courses:

1. PED 118

## ECONOMICS MAJOR

<u>Fall</u>	<u>First Year</u>	<u>Spring</u>	<u>Fall</u>	<u>Second Year</u>	<u>Spring</u>
ECO 203		ECO 204			
<u>Fall</u>	<u>Third Year</u>	<u>Spring</u>	<u>Fall</u>	<u>Fourth Year</u>	<u>Spring</u>

### Additional requirements:

1. ECO 303
2. ECO 304
3. ECO 340
4. BUS 215 (take as soon as possible) or MTH 356
5. ECO 419
6. ECO 495
7. Four additional courses in ECO at 300-400 level
8. MTH 115 or 235 (MTH 235 is strongly recommended for students considering graduate study in economics.)

### Recommended courses:

1. MTH 303

**EDUCATION**  
**Early Childhood Endorsement**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
	EDU 338*	EDU 211	EDU 221
EDU 101 (opt.)		EDS 207	EDU 318
PSY 117		MTH 217	EDU 338*
			PSY 255
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 311	EDU 312	EDC 447	
EDU 321& lab	EDU 341& lab	EDC 457	
EDC 425	EDC 427		
EDU 322**	EDU 323**		

\* EDU 338 may be taken spring term of the first or second year.

\*\* EDU 322 and 323 may be taken fall or spring of the third year or of the second year with permission.

**Additional requirements:**

1. Completion of an elementary education major or a special education major.
2. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.



## EDUCATION ELEMENTARY EDUCATION MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 101 (Rec.)	EDU 338****	EDU 211	EDU 221*
		MTH 217**	EDU 338****
			EDU 318**
		IST 201	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 311	EDU 341& lab*	EDU 330	Art 326
EDU 321& lab*	EDU 312	EDU 451***	
MTH 217**	EDU 318**	MUS 226*****	
EDU 322*****	EDU 323*****		

\* for transfer students--take 221&321 concurrently, not 321&341

\*\* must be taken as a fall/spring sequence 2nd or 3rd year. Students going abroad need to take MTH 217 and EDU 318 in their second year; others take it in their third year

\*\*\* a student who is not a special ed/elementary ed double major may choose to student teach and take EDU 451 in the spring

\*\*\*\* may be taken spring term of first or second year

\*\*\*\*\* music majors use MUS 221

\*\*\*\*\* EDU 322 & 323 may be taken fall or spring of the third year or of the second year with permission

### Additional requirements:

1. BIO 101
2. PHS 105 or GEO 103 or GEO 101
3. CMS 112 or 210 or 220
4. HIS 205 or 206
5. PED 101, 104, 450 (double majors with PED use PED 459)
6. PSI 101
7. Three credits in math (excluding MTH 217, 326)
8. Complete all requirements under Elem. Educ. in the catalog.
9. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.
10. Complete a second teaching major or endorsement area chosen from the following:
  - a) major: Spanish, music, mathematics, natural science, physical science, biology, chemistry, physical education, special education.
  - b) endorsement: early childhood, middle school

### Special Notes:

1. Elementary education majors who are also majoring in special education or who have an endorsement in middle school or early childhood are required to take EdS 207. All other elementary education majors will take either EdS 207 or EdS 620.

## EDUCATION

### Middle School Endorsement

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
Area 1	EDU 338*	EDU 211	EDU 221**
Area 2	Area 1	Area 1	EDU 318***
	Area 2	Area 1	EDU 338*
EDU 101 (Rec.)		Area 2	EDU 322or323****
		IST 201	EDU 250
			Area 2
			(begin methods sequence)****
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab**	EDU 341& lab**	EDU 458	
EDU 311	EDU 312	MUS 226***	
Area 1	EDU 322 or 323***	EDU 350	
Area 2	EDU 318***		
EDU 322	Area 1		
	Area 2		

\*spring term of the 1<sup>st</sup> or 2<sup>nd</sup> year

\*\*for transfer students -- take 221 & 321 concurrently, not 321 & 341

\*\*\*spring term of 2<sup>nd</sup> or 3<sup>rd</sup> year

\*\*\*\*or take Art 326

#### **Additional requirements:**

Demonstrate competence in two or more Areas of Specialization with a minimum of 18 semester hours in each for a total of 36 semester hours. An endorsement in Special Education Mild/Moderate K-12 Education may be accepted in lieu of an Area of Specialization. Specialization coursework must be selected from the following lists.

Complete all courses in two or more areas from the following:

- Art: ART 110, 201, 204, 205, 207, 310, and one elective (at least 2 credits from any studio course or art history course)
- Business Ed.: ACC 103, BUS 242, 317, 319, 321, 325, ECO 203, 347, IST 201, CMS 351
- Foreign Language (one language): French 203, 204, 310, 312, 319, 321, 322, 324, 325, 423  
German 203, 204, 310, 311, 322, 323, 324, 325, 415, 429 Spanish 203, 204, 305, 306, 312, 314, 317, 319, 321, 325  
Courses taken in an experience abroad may be substituted for the courses above
- Language Arts: EDU 312, ENG 101, 231, 237 (or 205 or 206), 323, 324, 325, 326, CMS 112 (or 210 or 220), 321
- Mathematics: MTH 107 (or 108), 115, 125, 217, 235, 323, 324, 325
- Natural Science: AST 103 (3 cr.), BIO 120, GEO 101 (or 103), GEO 107 (3 cr.), NSI 324, PHS 105
- Physical Education: PED 106, 118, 201, 233, 234, 345 (or 346), 352, 355
- Social Science: GEG 301, HIS 105, 106, 205, 206, PSI 101, SSI 322

Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

## EDUCATION

### Teacher Certification - Secondary or K-12

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 101 (Rec.)		EDU 211	EDU 221*
		IST 201	
		(begin methods sequence)**	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab*	EDU 361	EDU 453	
EDU 325	EDU 341& lab*	methods	

\*for transfer students--take 221&321 concurrently, not 321&341

\*\*see the major sheet(s) for specific courses and terms

#### Additional requirements:

1. Complete a major or endorsement in one of the following, Art, Biology, Business Principles, Chemistry, ComputerScience, English, English/Language Arts, French, German, History, Mathematics, Music, Natural Science, Physical Education, Physical Science, Physics, Political Science, Social Science, Spanish, and Theatre. (Underlined majors require a second teaching major. Endorsement is in italics.)
2. All other requirements listed under the catalog section Secondary Education.
3. Overall GPA of at least 2.80 in all Education courses
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

#### Special Notes:

1. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.
2. A computer science endorsement may be added to the above teaching majors. See the sheet describing the computer science teaching endorsement.

**EDUCATION  
SPECIAL EDUCATION MAJOR**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>		<u>Fall</u>	<u>Spring</u>
	EDU 338*	EDU 211	EDU 221**
EDU 101 (Rec.)		EdS 207	EDU 338*
			EdS 236
		IST 201	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab**	EDU 312		EDS 426
EdS 328	EDU 341& lab**		EDS 428
EDU 311	EDS 332		EDS 456
MTH 217***			

\*may be taken the spring term of the first or second year

\*\*for transfer students--take 221&321 concurrently, not 321&341

\*\*\*may be taken fall term of the second or third year

**Additional requirements:**

1. Additional requirements for Special Ed. Major in the catalog.
2. Multicultural Interterm during the third or fourth year; contact the education department about exceptions

**EDUCATION****Teacher Certification (secondary/K-12) and Middle School Endorsement**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
Area 1	EDU 338*	EDU 211	EDU 221**
Area 1	Area 1	IST 201	EDU 318*** *
Area 2	Area 2	Area 1	EDU 338*
	Area 2	Area 2	EDU322or323***
	EDU 101 (Rec.)		EDU 250
			(begin methods sequence)****
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab**	EDU 341& lab**	EDU 458	
EDU 311	EDU 312	MUS 226*****	
EDU 325	EDU 361	EDU 350	
Area 1	EDU 322 or 323***	EDU 453	
Area 1		EDU 318***	
Area 2	Area 2		

\* spring term of the 1<sup>st</sup> or 2<sup>nd</sup> year

\*\* for transfer students -- take 221 & 321 concurrently, not 321 & 341

\*\*\* spring term of 2<sup>nd</sup> or 3<sup>rd</sup> year

\*\*\*\* see the major sheet for specific courses and terms

\*\*\*\*\*or take Art 326

**Additional requirements:**

1. Demonstrate competence in two or more Areas of Specialization with a minimum of 18 semester hours in each for a total of 36 semester hours. An endorsement in Special Education Mild/Moderate K-12 Education may be accepted in lieu of an Area of Specialization. Specialization coursework must be selected from the following lists.

Complete all courses in two or more areas from the following:

A. Art: ART 110, 201, 204, 205, 207, 310

B. Business Education: ACC 103, BUS 242, 317, 319, 321, 325, ECO 203, 347, IST 201, CMS 351

C. Foreign Language (one language): French 203, 204, 310, 312, 319, 321, 322, 324, 325, 423 German 203, 204, 310, 311, 322, 323, 324, 325, 415, 429 Spanish 203, 204, 305, 306, 312, 314, 317, 319, 321, 325

D. Language Arts: EDU 312, ENG 101, 231, 237 (or 205 or 206), 323, 324, 325, 326, CMS 112 (or 210 or 220), 321

E. Mathematics: MTH 107 (or 108), 115, 125, 217, 218, 235, 323, 324

F. Natural Science: AST 103 (3 cr.), BIO 120, GEO 101 (or GEO 103), GEO 107 (3 cr.), NSI 324, PHS 105

G. Social Science: GEG 301, HIS 105, 106, 205, 206, PSI 101, SSI 322

2. Complete a major or endorsement in one of the following: Art, Biology, Business Principles, Chemistry, Computer Science, English, English/Language Arts, French, German, History, Mathematics, Music, Natural Science, Physical Education, Physical Science, Physics, Political Science, Social Science, Spanish, and Theatre. (Underlined majors require a second teaching major. Endorsement is in italics.)

3. All other requirements listed under the catalog section Secondary Education.

4. Overall GPA of at least 2.80 in all Education courses.

5. Multicultural Interterm during third or fourth year; contact education department about exceptions

**Special Notes:**

1. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**EDUCATION**

**ELEMENTARY EDUCATION and SPECIAL EDUCATION (Double Major)**

<u>1st Year</u>		<u>2nd Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 101(rec.)	Bio 101	EDU 211	EDU 221**
ENG 101	PED 101	EDS 207	EDU 338
PSI 101	PED 104	CMS 112/210/220	EDS 236
DPlan	EDU 338	PHS105/GEO103/101	DPlan
DPlan*	DPlan*	IST 201	PED 450
LAR 101	DPlan		
 <u>3rd Year</u>		 <u>4th Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 311	EDU 341& lab**	EDU 330	EDS 426
EDU 321& lab**	EDU 312	EDU 451	EDS 428
MTH 217	EDU 318	MUS 226	EDS 456
EDS 328	EDS 332		ART 326***
EDU 322	EDU 323		

\*HIS 205 in the fall or HIS 206 in the spring

\*\*for transfer students--take 221&321 concurrently, not 321&341

\*\*\*May be taken during the spring of the third year with permission of the division chair.

**Additional Requirements**

1. Complete all requirements under Elementary Education and Special Education in the catalog.
2. Multicultural Interterm during the third or fourth year; contact the education department about exceptions

**ENGLISH/LANGUAGE ARTS MAJOR  
Teacher Certification**

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
THE 103/108	ENG 206	EDU 211	EDU 221*
CMS 112/210/220	CMS 112/210/220	THE 103/108	ENG 231
ENG 101	ENG 201/302	THE 217	ENG 323
		JOU/ENG 113	THE 320
EDU 101 (rec.)		IST 201	JOU/ENG 213
		CMS 112/210/220	
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
ENG 305	ENG 393	ENG 326	ENG 495
ENG 392	ENG 306	EDU 453	
EDU 321& lab*	Edu 361	THE 325	
ENG 324	ENG 325		
EDU 325	The 324		
THE 322	EDU 341& lab*		

\*for transfer students -- take 221 & 321 concurrently, not 321 & 341

**Additional requirements:**

1. One credit of ATV 173
2. JOU 301
3. All requirements listed under Secondary Education in the catalog.
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

1. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.







**ENGLISH MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 101 (Rec.) ENG 101 or 201		EDU 211  IST 201	EDU 221* ENG 323
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab* ENG 324 EDU 325	EDU 341& lab * EDU 361 ENG 325	EDU 453 ENG 326	

\*for transfer students -- take 221 & 321 concurrently, not 321 & 341

**Additional requirements:**

1. ENG 305, 392, 393, 495
2. ENG 342
3. ENG 231
4. ENG 302, 306, 326
5. THE 103
6. CMS 112
7. One additional teaching major or subject endorsement.
8. All requirements listed in the catalog under Secondary Education.
9. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

2. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**ENGLISH MAJOR  
General Emphasis**

**Fall**      **First Year**  
**Spring**  
ENG 101 or 201

**Fall**      **Second Year**  
**Spring**

**Fall**      **Third Year**  
**Spring**

**Fall**      **Fourth Year**  
**Spring**  
Eng 495

**Additional requirements:**

3. ENG 305, 392, 393
4. ENG 342 or 351
5. Twelve additional credits in English (excluding Eng 100, 101, 326)(one foreign language literature course may be substituted for one English literature course in this requirement)

**Recommended courses:**

1. Activities - Xanadu and Owl

**Special Notes:**

4. First year and second year generally take at least one writing or literature course each term.
5. Third year take at least 2 of the five required courses each term or other advanced courses where scheduling warrants.
6. Fourth year complete all other required courses in the fall term.

**ENGLISH AS A SECOND LANGUAGE  
Teaching Endorsement**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u> Language ENG 101	<u>Spring</u> Language	<u>Fall</u> ENG 201 EDU 211	<u>Spring</u> ENG 231 EDU 221
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u> EDU 325 or 361 ESL 325*	<u>Spring</u> CMS 321 EDU 341 & lab ESL 326*	<u>Fall</u>	<u>Spring</u> ESL 455 or EDU 455

\* May be taken in the second year.

**Additional requirements:**

1. Complete one of the following: special education major, elementary education major, or a teaching major for grades 7-12 (and its secondary or K-12 endorsement).

## ENGLISH AS A SECOND LANGUAGE MAJOR

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b> ENG 101	<b><u>Spring</u></b>	<b><u>Fall</u></b> ENG 201	<b><u>Spring</u></b> ENG 231
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b> ESL 325*	<b><u>Spring</u></b> ENG 306 ESL 326*	<b><u>Fall</u></b> ESL 421	<b><u>Spring</u></b>

\*May be taken in the second year.

### **Additional requirements:**

1. Three credits chosen from ENG 301, 312, 327
2. CMS 112 or 210 or 220
3. SOC 109, ANT/SOC 308
4. Six credits from ENG 237, 302, 305, 393, PSY/SOC 336, SOC 370, CMS 351, CMS/IDS 321
5. Completion of the Second Language Competency: Proficiency in a language not one's own at an intermediate level. Students will demonstrate competency comparable to successful completion of second year college coursework in a foreign language. (This requirement is waived for non-native speakers of English.)
6. English Language proficiency annual test of English language skills.

## ENVIRONMENTAL SCIENCE MAJOR

### First Year

#### Fall

BIO 120  
GEO 101  
MTH xxx  
LAR 101

#### Spring

BIO 121

### Second Year

#### Fall

BIO 260  
CHM 125  
BIO 295

#### Spring

CHM 126

### Third Year

#### Fall

BIO 342  
EVS 351  
CHM 205 or 303\*

#### Spring

BIO 348

### Fourth Year

#### Fall

EVS 495  
BIO 320/330

#### Spring

EVS 496

### Additional requirements:

1. EVS 301
2. BUS 410, ECO 309, ENG 318 (or HIS 320)
3. A minimum of 7 credits from the following groups (at least one 3 or 4 credit course from each group)
  - a. BIO 308, 320 (or 330, the course not used above), 345, 349, 350, 353
  - b. CHM\* (4 cr), EVS 101, GEO 107, HIS 352, PSI 243, PHY 107 (or 108 or 201 or 202)
4. Early in their course of study, students should work closely with their advisor and appropriate faculty to ensure that prerequisites are met.

\* Students interested in environmental chemistry should take CHM 303 and one additional four-credit chemistry course.

### Notes:

1. Students completing this major may not minor in Environmental Studies.
2. Students completing this major may also receive a biology minor. Students must formally declare this minor at the registrar's office.
3. Students completing this major may also receive a chemistry minor by completing CHM 205 and 303 and one additional four-credit course chosen from CHM 206, 322, 326, 408 to make a total of 20 credits of chemistry. Students must formally declare this minor at the registrar's office.
4. Environmental Science majors are considered to have met the liberal learning requirement of the Doane Plan by completion of the major.

(Program advisor: Dr. Russ Souchek)

## FRENCH and BIOLOGY (Double Major)

Students planning a double major in biology and French should follow this schedule of classes in order to complete both majors (including a semester in France during the junior year) in four years. If you have questions, contact Dr. Maureen Franklin.

### Students entering at the 100 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 101	FRE 102	FRE 203	FRE 204	BIO /CHM 351 Study		FRE xxx	FRE xxx
BIO 120	BIO 121	BIO 260	BIO	BIO	Abroad	BIO	BIO
CHM 125	CHM 126	PHY/CHM*	PHY/CHM*	FRE xxx	(12 cr. of	BIO/CHM 495	BIO/CHM496
MTH **	BIO 202	BIO 295	D Plan	D Plan	French)	FRE xxx	D Plan
LAR 101	BIO	CMS***	D Plan	D Plan		D Plan	D Plan
ENG 101	PED 101	CED 205		PEd 104		D Plan	

### Students entering at the 200 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 203	FRE 204	FRE xxx	FRE xxx	BIO/Chm 351 Study		FRE xxx	PED 104
BIO 120	BIO 121	BIO 260	BIO	BIO	Abroad	BIO	BIO
CHM 125	CHM 126	PHY/CHM*	PHY/CHM*	BIO	(12 cr. of	BIO/CHM 495	BIO/CHM 496
MTH **	EBG 101	BIO 295	D Plan	FRE xxx	French)	D Plan	D Plan
LAR 101	BIO 202	CMS***	D Plan	PEd 101		D Plan	D Plan
		CED 205		D Plan			

\* take PHY 107&108 or 8 additional credits of chemistry

\*\* MTH 107 or 108 or higher, MTH 235 is strongly recommended

\*\*\*CMS 112 or 210 or 220

### Additional Requirements:

1. Complete 30 credits of French beginning at the intermediate level (excluding 319, 321, 324, 325).
2. A student must earn 12 to 17 credits in French in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. One course from each of the following groups and two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a lab component.
  - d) BIO 308, 320, 330, 340, 355, 356
  - e) BIO 340, 342, 345, 350, 353
  - f) BIO 317, 335, 340, 348, 349, 412
4. A maximum of four credits of biology directed study at any level may be counted toward the major.
5. Pass a departmentally administered biology exam with a score of 60% or higher
6. Additional requirements are listed in the catalog

## FRENCH and BUSINESS ADMINISTRATION (Double Major)

Students planning a double major in business administration and French should follow this schedule of classes in order to complete both majors (including a semester in France during the junior year) in four years. If you have questions, contact Dr. Maureen Franklin.

### Students entering at the 100 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 101	FRE 102	FRE 203	FRE 204	BUS 341	Study	FRE xxx	FRE xxx
ACC103&L	ACC104&L	BUS 251	CMS*	D Plan	Abroad	BUS xxx	BUS 497
MTH 115**	ENG 101	BUS 215	BUS 212	Science	(15 cr. of	BUS xxx	BUS 302
ECO 203	ECO 204	BUS 226	BUS 242	FRE xxx	French)	Science	D Plan
LAR 101	D Plan	CED 205	BUS 205	D Plan		D Plan	D Plan
	PED 104	PED 101				D Plan	
		D Plan					

### Students entering at the 200 level:

<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 203	FRE 204	FRE xxx	FRE xxx	BUS 341	Study	FRE xxx	BUS 302
ACC103&L	ACC104&L	BUS 251	CMS*	D Plan	Abroad	BUS xxx	BUS 497
MTH 115**	ENG 101	BUS 215	BUS 212	Science	(12 cr. of	BUS xxx	D Plan
ECO 203	ECO 204	BUS 226	BUS 242	FRE xxx	French)	Science	D Plan
LAR 101	D Plan	CED 205	BUS 205	D Plan		D Plan	
	PED 104	PED 101				D Plan	
		D Plan					

\*CMS 112 or 210 or 220

\*\*MTH 115 or 235

### Additional Requirements:

1. Complete 30 credits of French beginning at the intermediate level (excluding 319,321,324,325).
2. A student must earn 12 to 17 credits in French in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. Complete 9 additional credits of 300/400 level Business courses (excluding 317, 319, 321, 421) with at least 3 of those credits at the 400 level.
4. BUS 497 and six additional business credits at the 300 or 400 level (excluding 317, 319, 321, 421) must be completed in residence through the Division of Business and Economics.

### Special Notes:

1. BUS 307 and 394 should not be taken the same term.
2. Students choosing a business administration major may want to focus on a specific functional area of business and should consider the following suggested electives for each area:

**Graduate school:** BUS 339, MTH 235. Pre-law students should consult with pre-law advisor for further details.

**General management:** BUS 312, 315\*, 339, 342, 346, 410, 496\*; other relevant course: PSY 336 (prereq of PSY 117 or Soc 109).

**Finance:** BUS 307, 394\*, 445, 460\*; other relevant courses: ACC 231\*, 232, MTH 235, 236



**Human resource management:** BUS 312\*, 315, 346, 410, 418; other relevant courses: PSY 336 (prereq of PSY 117 or SOC 109), 365 (prereq of PSY 117), SOC 324, CMS 321.

**International business:** BUS 346, 357, 496, BUS/ECO 358 (prereq of ECO 203); other relevant courses: HIS 353, SOC 308, CMS 321, and foreign language courses\*.

**Marketing:** BUS 301, 324, 357, 452; other relevant courses: ART 258 (prereq of ART 107), IST 407 (prereqs of IST 145, 307), CMS 321. Other art courses are also valuable (ART 270, 303, 304).

\* Often required in careers in this field.

**FRENCH MAJOR  
Teacher Certification**

**Students entering at the 100 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 101	FRE 102	FRE 203	FRE 204	EDU 321&L	Study	EDU 453	
EDU 101 (Rec.)		EDU 211	EDU 221	EDU 341&L	Abroad	FRE 325	
			FRE 319	EDU 325			
			EDU 361	FRE 321			
				FRE 324			

**Students entering at the 200 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 203	FRE 204	EDU 211	FRE 319	EDU 321&L	Study	EDU 453	
EDU 101 (Rec.)			EDU 221	EDU 341&L	Abroad	FRE 325	
			EDU 361	EDU 325			
				FRE 321			
				FRE 324			

**Additional requirements:**

1. Completion of additional courses needed to make a total of 30 credits of French, excluding 101, 102, 319, 321, 324, 325.
2. A student must earn 12 to 17 credits in French in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. Complete all requirements listed under the catalog section Secondary Education.
4. Complete one additional teaching major or subject endorsement.
5. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special notes:**

1. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.
2. Upper-level courses are offered alternate years.
3. One course in French fulfills the Doane Plan Cultural Perspectives requirement. One to two courses in French may be used toward Liberal Learning.

## FRENCH MAJOR

### Students entering at the 100 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 101	FRE 102	FRE 203	FRE 204		Study Abroad		

### Students entering at the 200 level:

<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FRE 203	FRE 204				Study Abroad		

### Additional requirements:

1. Completion of additional courses to make a total of 30 credits of French, excluding 101, 102, 319, 321, 324, 325.
2. A student must earn 12 to 17 credits in French in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.

### Special notes:

1. Upper-level courses are offered alternate years.
2. One course in French fulfills the Doane Plan Cultural Perspectives requirement. One to two courses in French may be used toward Liberal Learning.

## GERMAN and BIOLOGY (Double Major)

Students planning a double major in biology and German should follow this schedule of classes in order to complete both majors (including a semester in Germany during the Junior year) in four years. If you have questions, contact Dr. Peter Reinkordt.

### Students entering at the 100 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 101	GER 102	GER 203	GER 204	BIO/CHM 351	Study	GER xxx	GER xxx
BIO 120	BIO 121	BIO 260	BIO	BIO	Abroad	BIO	BIO
CHM 125	CHM 126	PHY/CHM*	PHY/CHM*	GER xxx	(12 cr. of German)	GER xxx	D Plan
MTH **	BIO 202	BIO 295	D Plan	D Plan		D Plan	D Plan
LAR 101	BIO	CMS***	D Plan	D Plan		D Plan	BIO/CHM 496
ENG 101	PED 101	CED 205		PED 104		BIO /CHM 495	

### Students entering at the 200 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 203	GER 204	GER xxx	GER xxx	BIO/CHM 351	Study	GER xxx	PED 104
BIO 120	BIO 121	BIO 260	BIO	BIO	Abroad	BIO	BIO
CHM 125	CHM 126	PHY/CHM*	PHY/CHM*	GER xxx	(12 cr. of German)	BIO/CHM 496	BIO/CCHM496
MTH **	ENG 101	BIO 295	D Plan	PED 101		D Plan	D Plan
LAR 101	BIO 202	CMS***	D Plan	D Plan		D Plan	D Plan
		CED 205		BIO			

\* take PHY 107&108 or 8 additional credits of chemistry

\*\* MTH 107 or 108 or higher, MTH 235 is strongly recommended

\*\*\*CMS 112 or 210 or 220

### Additional Requirements

1. Complete 30 credits of German beginning at the intermediate level (excluding 319, 321, 324, 325).
2. A student must earn 12 to 16 credits in German in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. One course from each of the following groups and two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a lab component.
  - 1) BIO 308, 320, 330, 340, 355, 356
  - 2) BIO 340, 342, 345, 350, 353
  - 3) BIO 317, 335, 340, 348, 349, 412, 415
4. A maximum of four credits of biology directed study at any level may be counted toward the major.
5. Pass a departmentally administered biology exam with a score of 60% or higher.
6. Additional requirements are listed in the catalog.

## GERMAN and BUSINESS ADMINISTRATION (Double Major)

Students planning a double major in business administration and German should follow this schedule of classes in order to complete both majors (including a semester in Germany during the junior year) in four years. If you have questions, contact Dr. Peter Reinkordt.

### Students entering at the 100 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 101	GER 102	GER 203	GER 204	BUS 341	Study	GER xxx	GER xxx
ACC103&L	ACC104&L	BUS 251	CMS*	D Plan	Abroad	BUS xxx	BUS 497
MTH 115**	ENG 101	BUS 215	BUS 212	Science	(15 cr. of	BUS xxx	BUS xxx
ECO 203	ECO 204	BUS 226	BUS 242	GER xxx	German)	Science	BUS 302
LAR 101	D Plan	CED 205	BUS 205	D Plan		D Plan	D Plan
	PED 104	PED 101					
		D Plan					

### Students entering at the 200 level:

<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 203	GER 204	GER xxx	GER xxx	BUS 341	Study	GER xxx	BUS xxx
ACC103&L	ACC104&L	BUS 251	CMS*	D Plan	Abroad	BUS xxx	BUS 497
MTH 115**	ENG 101	BUS 215	BUS 212	Science	(12 cr. of	BUS xxx	BUS 302
ECO 203	ECO 204	BUS 226	BUS 242	GER xxx	German)	Science	D Plan
LAR 101	D Plan	CED 205	BUS 205	D Plan		D Plan	Elective
	PED 104	PED101				D Plan	
		D Plan				Elective	

\*CMS 105 or 112 or 220

\*\*MTH 115 or 235

### Additional Requirements:

1. Complete 30 credits of German beginning at the intermediate level (excluding 319, 321, 324, 325).
2. A student must earn 12 to 16 credits in German in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. One BUS xxx course must be at the 400 level.
4. BUS 497 and six additional business credits at the 300 or 400 level (excluding 317, 319, 321, 421) must be completed in residence through the Division of Business and Economics.

### Special Notes:

1. BUS 307 and 394 should not be taken the same term.
2. Students choosing a business administration major may want to focus on a specific functional area of business and should consider the following suggested electives for each area:
  - Graduate school:** BUS 339, MTH 235. Pre-law students should consult with pre-law advisor for further details.
  - General management:** BUS 312, 315\*, 339, 342, 346, 410, 496\*; other relevant course: PSY 336 (prereq of PSY 117 or Soc 109).
  - Finance:** BUS 307, 394\*, 445, 460\*; other relevant courses: ACC 231\*, 232, MTH 235, 236
  - Human resource management:** BUS 312\*, 315, 346, 410, 418; other relevant courses: PSY 336 (prereq of PSY 117 or Soc 109), 365 (prereq of PSY 117), SOC 324, CMS 321.
  - International business:** BUS 346, 357, 496, BUS /ECO 358 (prereq of ECO 203); other relevant courses: HIS 353, SOC 308, CMS 321, and foreign language courses\*.

**Marketing:** BUS 301, 324, 357, 452; other relevant courses: ART 258 (prereq of Art 107), IST 407 (prereqs of IST 145, 307), CMS 321. Other art courses are also valuable (Art 270, 303, 304).

\* Often required in careers in this field.

**GERMAN MAJOR  
Teacher Certification**

**Students entering at the 100 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 101	GER 102	GER 203	GER 204	EDU 321&L	Study	EDU 453	
EDU 101 (Rec.)		EDU 211	EDU 221	EDU 341&L	Abroad	GER 325	
			GER 322	EDU325			
		EDU 361		GER 323			
				GER 324			

**Students entering at the 200 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 203	GER 204	EDU 211	GER 322	EDU 321&L	Study	EDU 453	
EDU 101 (Rec.)			EDU 221	EDU341&L	Abroad	GER 325	
			EDU 361	EDU 325			
				GER 323			
				GER 324			

**Additional requirements:**

1. Complete additional courses to total 30 credits of German beginning at the intermediate level (excluding 322, 323, 324, 325)
2. A student must earn 12 to 16 credits in German in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. Complete all requirements listed under the catalog section Secondary Education.
4. Complete one additional teaching major or subject endorsement.
5. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

1. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.
2. Most upper level courses are offered alternate years.
3. One course in German fulfills the Doane Plan Cultural Perspectives requirement. One to two courses in French may be used toward Liberal Learning.

## GERMAN MAJOR

### Students entering at the 100 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 101	GER 102	GER 203	GER 204	Study or Abroad	Study Abroad		

### Students entering at the 200 level:

<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
GER 203	GER 204			Study or Abroad	Study Abroad		

### Additional requirements:

1. Complete 30 credits of German beginning at the intermediate level (excluding 322, 323, 324, 325)
2. A student must earn 12 to 16 credits in German in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.

### Special Notes:

1. Most upper level courses are offered alternate years.
2. One course in German fulfills the Doane Plan Cultural Perspectives requirement. One to two courses in German may be used toward Liberal Learning.



**HISTORY MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
HIS 105	HIS 106	HIS 205	HIS 206
EDU 101 (Rec.)		EDU 211	EDU 221**
			SSI 322
			HIS #1*
		IST 201	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab**	EDU 361	EDU 453	HIS 496
SSI 323	SSI 324	SSI 325	
EDU 325	EDU 341& lab**		
HIS #2*	HIS #4*		
HIS #3*	HIS #5*		

\* Five additional elective courses in history with at least one course from each of the areas of American, European, and Non-Western history.

\*\*for transfer students -- take 221 & 321 concurrently, not 321 & 341

**Additional requirements:**

1. Six or more credits chosen from one or more of the areas of political science, sociology, and economics.
2. One additional teaching major or subject endorsement.
3. All requirements listed under Secondary Education in catalog.
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

3. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.
2. Areas -- American: HIS 305, 306, 312, 315, 320, 321, 329, 337, 352, 354  
European: HIS 317, 318, 335, 341, 346, 348, 349  
Non-Western: HIS 314, 326, 338, 342, 350, 353

## **HISTORY MAJOR**

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b> HIS 105/205	<b><u>Spring</u></b> HIS 106/206	<b><u>Fall</u></b> HIS 105/205	<b><u>Spring</u></b> HIS 106/206 HIS 3xx
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b> HIS 3xx	<b><u>Spring</u></b> HIS 3xx	<b><u>Fall</u></b> HIS 3xx	<b><u>Spring</u></b> HIS 496 HIS 3xx

### **Additional requirements:**

1. Five additional elective courses with at least one course from each of the areas of American, European, and Non-Western history.

### **Special Notes:**

Areas -- American: HIS 305, 306, 312, 315, 320, 321, 329, 337, 352, 354

European: HIS 317, 318, 335, 341, 346, 348, 349

Non-Western: HIS 314, 326, 338, 342, 350, 353

**INTERNATIONAL STUDIES MAJOR**  
**Contemporary Europe**

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b> HIS 105	<b><u>Spring</u></b> HIS 106	<b><u>Fall</u></b>	<b><u>Spring</u></b>
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b> INT 496	<b><u>Spring</u></b>

**Additional requirements:**

1. Twelve credits in one language chosen from: French, German, Spanish
2. FRE 312
3. HIS /PSI 338
4. INT 317
5. INT 496
6. Minimum of four courses chosen from: ART 252, HIS 341, 346, HIS / INT 318, 349, HIS /PSI 353, INT 421 (2-3 cr.), SPA 312

# INFORMATION SCIENCE AND TECHNOLOGY

## Information Technology Teaching Endorsement

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 140	IST 146	EDU 211	EDU 221*
IST 145		IST 252	IST 201
EDU 101 (Rec.)			
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab*	EDU 361	EDU 453	
EDU 325	EDU 341& lab*		
	IST 326		

\*for transfer students -- take 221 & 321 concurrently, not 321 & 341

### Additional requirements:

1. Six additional credits at the 200 level or above (excluding IST 201). (It is recommended that this additional course be taken the spring of the second, third or fourth year.)
2. Complete all requirements under Secondary Education in catalog.
3. This is a supplementary endorsement. The student must have an additional field endorsement.
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

### Special Notes:

4. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**INFORMATION SCIENCE AND TECHNOLOGY  
COMPUTER SCIENCE MAJOR**

**When the first fall semester is an EVEN year:**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 140	IST 146	IST 246	ATV 137
IST 145	MTH 250	MTH 330	
MTH 235		IST 252	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 303	IST 495 (1 cr.)	IST 353	IST 314
	IST 315	IST 495 (1 cr.)	
	IST 352		

**When the first fall semester is an ODD year:**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 140	IST 146	IST 246	MTH 250
IST 145		MTH 303	ATV 137
MTH 235		IST 252	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 353	IST 314	IST 495 (1 cr.)	IST 315
MTH 330	IST 495 (1 cr.)		IST 352

**Additional requirements:**

1. Three credits of IST 421 should be scheduled after consulting with an IST faculty member.
2. One elective in IST
3. PRe 231

**Special Notes:**

Any student who is not ready to take MTH 235, who transfers in, or who begins the major after the fall semester of the first year should contact an IST faculty member ASAP for individual scheduling.

**INFORMATION SCIENCE AND TECHNOLOGY  
INFORMATION SYSTEMS MAJOR**

**When the first fall semester is an EVEN year:**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 140	IST 146	IST 252	IST 217
IST 145		ATV 137	IST 307*
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 322*	IST 422*	IST 312*	IST 412*
IST 407*	IST 495 (1 cr.)	IST 495 (1 cr.)	

\*9 credits chosen from these courses

**When the first fall semester is an ODD year:**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 140	IST 146	IST 252	IST 217
IST 145		ATV 137	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
IST 312*	IST 307*	IST 322*	IST 422*
	IST 412*	IST 407*	
	IST 495 (1 cr.)	IST 495 (1 cr.)	

\*9 credits chosen from these courses

**Additional requirements:**

4. Three credits of IST 421 should be scheduled after consulting with an IST faculty member.
5. Six additional credits at or above 246 (excluding IST 326, 401, 421, 495).
6. ACC 103
7. BUS 242, 315 – remember that 242 is a prerequisite for 315
8. ECO 203 or 204
9. MTH 115 or 235
10. PRE 231

**Special Note:**

Any student who transfers in or who begins the major after the fall semester of the first year should contact an IST faculty member ASAP for individual scheduling.

## **JOURNALISM MAJOR**

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b> JOU 113	<b><u>Spring</u></b> JOU 235	<b><u>Fall</u></b> JOU 240	<b><u>Spring</u></b> JOU 360
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b> JOU 301	<b><u>Spring</u></b>	<b><u>Fall</u></b> JOU 445	<b><u>Spring</u></b> JOU 495

### **Additional requirements:**

1. Complete a minimum of three credits of JOU 421.
2. Complete nine credits chosen from JOU 213, 214, 223, 235, 245, 353, 370.

**MATHEMATICS MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 235	MTH 236	MTH 303	MTH 250
	MTH 218	EDU 211	MTH 323
		IST 201	EDU 221
			MTH 250
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab*	EDU 361	MTH 326	MTH351or403
MTH 324	MTH 325	EDU 453	MTH 497
EDU 325	EDU 341& lab*		MTH 403
	MTH 218		
	MTH 351		
	MTH 496		

**Additional requirements:**

1. MTH 355, 356
2. IST 145
3. Complete three additional credits in mathematics
4. Complete all requirements listed under Secondary Education
5. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Recommended courses:**

1. 300-400 level elective: MTH 329,347

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

If Math ACT is 22 or lower--recommend MTH 125-235 in freshman year; 236, 250, 303 in sophomore year; 237-238 in junior year



## MATHEMATICS MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u> MTH 235	<u>Spring</u> MTH 236	<u>Fall</u> MTH 303	<u>Spring</u> MTH 250
<u>Fourth Year</u>		<u>Third Year</u>	
<u>Fall</u>	<u>Spring</u> MTH 496	<u>Fall</u> MTH 497	<u>Spring</u>

### Additional requirements:

1. MTH 403 or 433
2. Fifteen additional credits at 300-400 level (excluding MTH 326)
3. IST 145

### Recommended courses:

1. 300-400 level electives:
  - Math Grad St.-329,403,433 and as many more 300-400 as possible.
  - Statistics Grad St.- MTH 355, 356, 433
  - Comp. Sci Grad St.- MTH 330, 355, 356, 433
  - Actuarial Sci- MTH 329, 334, 355, 356, 358, 433
  - Pre Eng- MTH 329, 334, 355, 356, 433

### Special Notes:

1. If Math ACT is 22 or lower, recommend MTH 125 & 235 in freshman year; 236, 250, 303 in sophomore year; 237-238 in junior year

**MUSIC MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FAR 104	MUS 112	MUS 116	MUS 212
MUS 111	MUS 115	MUS 211	MUS 215
MUS 205	MUS 204	MUS 221	MUS 307
Ensemble	MUS 206	MUS 235	MUS 316
MUS 105A*	Ensemble	Ensemble	Ensemble
EDU 101 (Rec.)		EDU 211	EDU 221**
		IST 201	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 325	EDU 361	EDU 453	Ensemble
MUS 305	MUS 100	MUS 326	
MUS 311	MUS 405		
MUS 407	MUS 312		
Ensemble	Ensemble		
EDU 321& lab**	EDU 341& lab**		
MUS 308	MUS 301		

\* should take MUS 105A (for 0 cr.) unless they have the skill level to take MUS 111A

\*\*for transfer students - take 221 & 321 concurrently, not 321 & 341

**Additional requirements:**

1. A total of 8 credits of applied lessons, including those listed above (6 credits in a primary performing medium and 2 credits in a secondary).
2. MUS 496
3. Participation each term in one or more of the major performing ensembles (MUS 190, 191, 192, 195) for a maximum of seven credits.
4. Two additional elective credits in music
5. All requirements listed under the catalog section Secondary Education.
6. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

5. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet with him prior to preregistration each term.

**MUSIC MAJOR**  
**Performance Emphasis**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
FAR 104	MUS 112	MUS 116	MUS 212
MUS 111	MUS 115	MUS 211	MUS 215
Ensemble	MUS 204	MUS 235	MUS 307
	Ensemble	Ensemble	Ensemble
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MUS 311	MUS 100	MUS 411	MUS 412
Ensemble	MUS 312	Ensemble	MUS 496
MUS 308	Ensemble		Ensemble

**Additional requirements:**

1. A total of 12 credits of applied lessons (including those listed above)
2. MUS 401 (during the senior year)
3. Six credits of music electives

## MUSIC MAJOR

### First Year

#### Fall

FAR 104  
MUS 111  
Ensemble

#### Spring

MUS 112  
MUS 115  
MUS 204  
Ensemble

### Second Year

#### Fall

MUS 116  
MUS 211  
MUS 235  
Ensemble

#### Spring

MUS 212  
MUS 215  
MUS 307  
Ensemble

### Third Year

#### Fall

MUS 311  
Ensemble  
MUS 308

#### Spring

MUS 100  
MUS 312  
Ensemble

### Fourth Year

#### Fall

Ensemble

#### Spring

MUS 496  
Ensemble

### Additional requirements:

1. Three credits of music electives
2. Six (6) credits of applied lessons

**NATURAL SCIENCE MAJOR  
Teacher Certification**

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
MTH 235 or 125	EDU 101 (Rec.)	BIO 120	BIO 121
CHM 125	CHM 126	PHY 107/201	PHY 108/202
LAR 101	ENG101	EDU 211	EDU 221*
PED 101	PED 104	CHM 205	IST 201
GEO 103/101	CMS 112/210/220		NSI 322
	D Plan		
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
BIO 260	EDU 361	EDU 453	BIO/CHM
BIO/CHM	NSI 326	NSI 327	D Plan
EDU 325	BIO 348		D Plan
EDU 321&lab*	EDU 341&lab*		D Plan
NSi 324	D Plan		D Plan
CHM	D Plan		

\*for transfer students - take 221 & 321 concurrently, not 321 & 341

**Additional requirements:**

1. Take one Doane Plan course during an interterm.
2. Complete one course chosen from CHM 206, 303, 326, 408.
3. Complete 7 additional science area credits in either biology or chemistry.
  - 1) for biology, choose one course each from two groups
    - a) BIO 340 or 308
    - b) BIO 342 or 320
    - c) BIO 356 or 330
  - 2) for chemistry, choose two courses from CHM 206, 303, 326, 408 (in addition to the course chosen in 2. above.
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.
5. Complete all requirements listed under the catalog section Secondary Education.

**Special Notes:**

Natural Science majors are considered to have met the liberal learning requirement of the Doane Plan by completion of the major.

A student who has completed the biology course selections (including two biology courses taken in 3.1) under additional requirements above) has also completed a biology minor.

A chemistry minor may be completed by selecting CHM 303 for part 2. under additional requirements above and by completing eight additional credits chosen from CHM 206, 326, 408. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**PHYSICAL EDUCATION MAJOR AND BIOLOGY ENDORSEMENT  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 221	PED 101	PED 233	PED 234
PHY 107	PED 201	PED 345	PED 346
LAR 101	EDU 101 (Rec.)	EDU 211	EDU 221*
CHM 125	BIO 121	BIO 260	PED 352
BIO 120	PED 106	PED 101	IST 201
PED 117	ENG 101	BIO 308/340	BIO 348
	PED 104		NIS 322
	PED 118		PED 101
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 355	EDU 341& lab*	PED 459	Bio 356
PED 457	EDU 361	EDU 453	D Plan
EDU 321& lab*	PED 458	NSI 327	D Plan
EDU 325	PED 228		D Plan
BIO 342	GEO 101/103		D Plan
NSI 324	D Plan		D Plan
PED 101	NSI 326		

\*for transfer students - take 221 & 321 concurrently, not 321 & 341

**Additional requirements:**

1. Five Doane Plan requirements will need to be completed during Interterm or Summer in order to finish in four years as well as carrying credit overloads (17+) during two semesters.
2. All requirements under the catalog section Secondary Education.
3. Multicultural Interterm during the third or fourth year.

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**PHYSICAL EDUCATION MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 221	PED 101	PED 233	PED 234
PED 117	PED 201	PED 345	PED 346
LAR 101	PED 106	EDU 211	EDU 221*
DP	PED 118	DP	PED 352
EDU 101 (Rec.)	DP	DP	PED 101    BIO 101
DP	IST 201	EDU xxx	
PED 101			
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 355	EDU 341& lab*	PED 459	EDU xxx
PED 457	EDU 361	EDU 453	
EDU 321& lab*	PED 458		
EDU 325	PED 228		
PED 104	PED 101		
EDU xxx	EDU xxx		

\*for transfer students - take 221 & 321 concurrently, not 321 & 341

If combining PED with a major in history, social science, elementary ed., or special ed., or with an endorsement in biology, see the specific advising sheet for that combination.

**Additional requirements:**

4. BIO 225 (not a Doane Plan course) or 226 (is a Doane Plan course)
5. **Completion of one other teaching major or subject endorsement.** Due to the size of the state and college requirements, the program may require nine semesters and/or summer school to complete.
6. All requirements under the catalog section Secondary Education.
7. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

1. Prospective K-12 teachers should take 17 cr. the first term in order to graduate in four years.
2. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

**PHYSICAL EDUCATION AND ELEMENTARY EDUCATION  
Teacher Certification and Double Major**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 101	PED 106	PED 233	PED 234
PED 221	PED 101	PED 345	PED 346
EDU 101(Rec)	PED 201	EDU 211	EDU 221
PHS 105/GEO 103/101	BIO 101	MTH 217	PED 352
PSI 101	CMS 112/210/220	HIS 205	EDU 338
LAR 101	ENG 101	BIO 225	IST 201
PED 117	PED 118		PED 101
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 325	EDU 341& lab	PED 459	EDU 451
PED 355	EDU 312	EDU 453	ART 326
PED 457	PED 458	MUS 226	EDU 330
EDU 321& lab	PED 228		
EDU 311	EDU 318		
EDU 322	EDU 361		
PED 101	PED 104		
	EDU 323		

**Additional requirements:**

1. In order to graduate in four years, five Doane Plan courses must be taken during the summer. If following the above plan those classes would be MTH xxx, PRE xxx, ENG 237, PSY or SOC and FAR xxx.
2. Take a multicultural Interterm during the second or third year.
3. All requirements under the catalog section Secondary Education.
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

6. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.



**PHYSICAL EDUCATION MAJOR**  
**Exercise Science Emphasis**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 106	PSY 117	BIO 260	PED 209
PED 221		PHY 107	PED 321
BIO 120		PED 201	PSY 255/416
CHM 125			
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 345	PED 346	PED 425	Statistics*
PED 355	PED 352		
	PED 448		

\* BUS 215 or SSI 217 or BIO 295

**Additional requirements:**

1. BIO 355, 356
2. Those seeking athletic training certification will complete at least 480 hours in the Doane College Athletic Training setting.
3. Those not seeking athletic training certification will complete at least 240 hours of department-approved, health-related activities in internship settings.

**Recommended courses:**

**Special Notes:**

## PHYSICAL EDUCATION AND HISTORY

### Teacher Certification and Double Major

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 101	PED 201	PED 233	PED 234
PED 221	EDU 101 (Rec.)	PED 345	PED 346
HIS 105	PED 106	EDU 211	EDU 221**
LAR 101	ENG 101	HIS 205	PED 352
Cog #1*	HIS 106	IST 201	BIO 226
Cog #2*	Bio 101	CMS 112/210/220	HIS 206
PED 117	PED 118	PED 101	SSI 322
		PED 104	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 355	EDU 341& lab**	PED 459	HIS 496
PED 457	EDU 361	EDU 453	HIS #5***
EDU 321& lab**	PED 458	SSI 325	D Plan
EDU 325	PED 228		D Plan
HIS #1***	HIS #3***		D Plan
HIS #2***	HIS #4***		PED 101
SSI 323	SSI 324		
	PED 101		

\* take a total of six credits chosen from one or more of the areas of PSI, SOC, ECO (the best courses to fulfill this requirement for the Doane Plan are SOC 109 and either PSI 101 or ECO 203)

\*\*for transfer students - take 221 & 321 concurrently, not 321 & 341

\*\*\* take five additional courses in history with at least one course from each of the areas of American, European, and Non-Western history.

#### Additional requirements:

1. Take a multicultural Interterm during the second or third year.
2. In order to complete this double major in four years, two Doane Plan courses (in addition to those given above) will have to be taken during Interterm and/or summer and students may have to carry on overload (over 17 credits) for two semesters.
3. All requirements under the catalog section Secondary Education.
4. Multicultural Interterm during the third or fourth year.

#### Special Notes:

1. Prospective K-12 teachers should take 17 cr. the first term in order to graduate in four years.
2. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.
3. Areas -- American: HIS 305, 306, 312, 315, 320, 321, 329, 337, 352, 354  
European: HIS 317, 318, 341, 346, 348, 349  
Non-Western: HIS 314, 326, 338, 342, 353

**PHYSICAL EDUCATION AND NATURAL SCIENCE  
Teacher Certification and Double Major**

<u>First Year</u>			<u>Second Year</u>		
<u>Fall</u>	<u>Itm</u>	<u>Spring</u>	<u>Fall</u>	<u>Itm</u>	<u>Spring</u>
PED 101	ITM	PED 106	PED 233	ITM*	PED 234
PED 221		PED 201	PED 345		PED 346
MTH 125/235		ENG 101	BIO 101		EDU 221
CHM 125		CHM 126	EDU 211		PED 352
LAR 101		D PLAN	PED 101		BIO 208/206
D PLAN		CMS 105/112/220	CHM 205/303		BIO 252
			PED 104		NSI 322
<u>Third Year</u>			<u>Fourth Year</u>		
<u>Fall</u>	<u>Itm</u>	<u>Spring</u>	<u>Fall</u>	<u>Itm</u>	<u>Spring</u>
PHY 107	ITM*	PHY 108	EDU 453		GEO 103/101
CHM 205/303		EDU 361	NSI 327		PED 101
EDU 325		EDU 341&L	PED 459		BIO 215
EDU 321&L		PED 458			IST 201
NSI 324		PED 228			BIO 206/208
PED 355		PED 101			
PED 457		NSI 326			
		D PLAN			

\*Take the multi-cultural perspectives interterm during the second or third year

**Additional requirements:**

1. In order to complete this double major in four years, an additional biology course and four additional Doane Plan courses will have to be taken during the interterm or summer.
2. All requirements under the catalog section Secondary Education.

**Special Notes:** Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term

**PHYSICAL EDUCATION MAJOR**  
**Fitness Management Emphasis**

**First Year**

**Fall**

PED 106  
PED 117  
PED 221  
ACC 103&lab

**Spring**

PED 118  
BIO 101

**Second Year**

**Fall**

PED 233  
BUS 242/251  
PED 209  
PED 201

**Spring**

PED 234  
BUS 242/251

**Third Year**

**Fall**

PED 345  
BUS 341

**Spring**

PED 346  
PED 352  
BUS 324

**Fourth Year**

**Fall**

**Spring**

**Additional requirements:**

1. PED 425 (during the senior year)(spreadsheet competency required)
2. BIO 225 (not a Doane Plan course) or 226 (is a Doane Plan course)
3. JOU/ENG 113 or BUS 205
4. SOC 109 or PSY 117
5. BUS 212 or 315
6. BUS 215 or SSI 217 or BIO 295

**PHYSICAL EDUCATION AND SPECIAL EDUCATION  
Double Major**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 101	PED 228	PED 233	PED 234
PED 221	PED 101	PED 345	PED 346
PED 106	PED 201	EDU 211	EDU 221
EDU 101 (Rec)	ENG 101	PED 104	PED 352
LAR 101	BIO 101		
EDS 207		EDU 338	
MTH-DP	DP	MTH 217	EDS 236
PED 117	PED 118	IST 201	PED 101
			PED 101

  

<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 325	EDU 341& lab	EDU 453	EDS 456
PED 355	EDU 312	PED 459	EDS 426
PED 457	PED 458		EDS 428
EDU 321& lab	EDU 361		
EDU 311	EDS 332		
EDS 328	PED 101		

**Additional requirements:**

1. Take an IDS Interterm in the second or third year.
2. All requirements under the catalog section, Secondary Education.
3. In order to graduate in four years, the student will need to take the following courses during interterms and/or summers: BIO 226 (or 225 and a Doane Plan science), CMS 112 (or 210 or 220), Doane Plan (international/multicultural) and six additional Doane Plan courses.
4. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

7. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## PHYSICAL EDUCATION AND SOCIAL SCIENCE Teacher Certification and Double Major

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 106	PED 201	PED 233	PED 234
PED 221	PED 101	PED 345	PED 346
PED 101	PED 104	EDU 211	EDU 221
LAR 101	Edu 101 (Rec)	GEG 112	PED 352
His 105	His 106	Discip**	SSI 322
Discip.** @	Discip.**@	IST 201	Discip.**
Mth - DP	Eng 101	PED 101	Discip.**
PED 117	PED 118		Cognate**
 <u>Third Year</u>		 <u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PED 355	EDU 341& lab	PED 459	HIS 496
PED 457	EDU 361	EDU 453	GEG 301
EDU 321& lab	PED 458	SSI 325	Discip.**
EDU 325	PED 228		Cognate*
SSI 323	SSI 324		PED 101
ANT 308****	HIS xxx***		Discip.**
Discip.**	HIS yyy***		

\* Nine credits in one cognate area chosen from: anthropology/sociology (Soc 109), economics (Eco 203-204), political science (PSi 101), or psychology (Psy 117). This shall include the introductory course(s) for the cognate area listed in parentheses after the area.

\*\* A total of 30 credits in the other three disciplines (including the introductory courses noted above -- @ two of these introductory courses must be taken the first year; the other two should be taken during *Summer 1*, as described below). A minimum of six credits in each discipline is required.

\*\*\* 6 credits in history, 3 cr. of which must be in non-Western history (HIS 314, 326, 338, 342, 353).

\*\*\*\* Or, take an IDS Interterm during the second or third year.

### Additional requirements:

1. In order for a student to complete this double major in four years, additional coursework will be required during interterms or summers. The additional courses required (with the preferred summer sequence) are:
  - Summer 1:* Bio 101, His 205, and the remaining three courses from Psy 117, Soc 109, PSi 101, Eco 203 (or 204) -- 13 cr.
  - Summer 2:* Bio 226 (or Bio 225 and a Doane Plan science), CmS 112 (or 210 or 220), one course for Aesthetic Perspective -- 10-14 cr.
  - Summer 3:* complete Doane Plan requirements: Eng. literature, PRe, His 206 -- 9 cr.
2. All requirements under the catalog section Secondary Education.
3. Multicultural Interterm during the third or fourth year.

### Special Notes:

1. Prospective K-12 teachers should take 17 cr. the first term in order to graduate in four years.
2. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## PHILOSOPHY MAJOR

	<b><u>First Year</u></b>			<b><u>Second Year</u></b>	
<b><u>Fall</u></b>		<b><u>Spring</u></b>		<b><u>Fall</u></b>	<b><u>Spring</u></b>
PRE 110		PRE 111			
	<b><u>Third Year</u></b>			<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>		<b><u>Spring</u></b>		<b><u>Fall</u></b>	<b><u>Spring</u></b>

### **Additional requirements:**

1. PHI 105
2. One course chosen from PHI 311, 411, or PRE 231
3. Minimum of one course from PHI 210, 212
4. Minimum of one course from PHI 310, PHI/PSI 337
5. Minimum of one three (3) credit course from Pre 120, 121 or any RST prefixed course
6. Nine additional credits in PHI or RST or PRE, (3) credits of which must be at 400 level (excluding PHI 495, RST 495)
7. PHI 495

**PHYSICAL SCIENCE MAJOR**  
**Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 235	ENG 101	CHM 205	D Plan
CHM 125	CHM 126	IST 201	NSI 322
PHY 107	PHY 108	BIO 120/PHY 314	GEO 103
LAR 101	CMS 112, 210/220	EDU 211	EDU 221
EDU 101 (Rec.)	D Plan	PED 104	Science*/Bio**
			PED 101
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab	EDU 361	NSI 327	Chm/Phy*
CHM 303/Phy*	EDU 341& lab	EDU 453	D Plan
BIO 120/Phy 314	GEO 101/107/Ast 103		D Plan
AST 103/GEO 101/107	NSI 326		D Plan
NIS 324	Science*/BIO**		D Plan
EDU 325	D Plan		

\* Science courses (including those listed above) need to total at least:

- (a) 18 credits of physics or chemistry
- (b) 15 credits of physics or chemistry or earth science [not chosen in (a) above]
- (c) 12 credits of physics or chemistry or earth science [not chosen in (a) or (b) above]

\*\* A minimum of two additional credits of biology

**Additional requirements:**

1. Either AST 103 or Geo 107 must be taken with a lab
1. All requirements listed under the catalog section Secondary Education.
2. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.



**PHYSICAL SCIENCE MAJOR**  
**Health Science Emphasis**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125	CHM 126	PHY 107	PHY 108
MTH 107 or 108	MTH 125	MTH 235	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>

**Additional requirements:**

1. BIO 120, two courses chosen from BIO 260, 355, 356
2. CHM 205, 206
3. Three additional three or four-credit courses from chemistry and/or physics, 2 of which must be at the 300-400 level

## PHYSICAL SCIENCE MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125	CHM 126	PHY 107	PHY 108
MTH 107 or 108	MTH 125	MTH 235	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>

### Additional requirements:

1. One additional four-credit course in chemistry
2. One additional three or four-credit course in physics
3. GEO 103 or 101
4. Three additional courses at the 300/400 level from chemistry, physics, mathematics, geology

## **PHYSICS MAJOR Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PHY 201*	PHY 202*	MTH 237	MTH 238
MTH 235	MTH 236	EDU 211	EDU 221*
EDU 101 (Rec.)			NSI 322
		IST 201	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab**	EDU 361	NSI 327	
EDU 325	EDU 341& lab**	EDU 453	
NSI 324	NSI 326		

\* or 107, 108

\*for transfer students - take 221 & 321 concurrently, not 321 & 341

### **Additional requirements:**

1. PHY 225 to be taken within two semesters of completing PHY 202
2. PHY 301 (or 324), 302, 306, 314
3. Cognates: AST 103&103L (or GEO 103 or GEO 101), BIO 101, CHM 125, IST 145
4. A minimum of 27 credits in physics with a cumulative GPA of 2.60 or above.
5. Completion of an additional teaching major or subject endorsement.
6. All requirements listed in the catalog under Secondary Education.
7. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

### **Special notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## PHYSICS MAJOR

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PHY 201	PHY 202	MTH 237	MTH 238
MTH 235	MTH 236		
LAR 101	IST 145		
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
	PHY 395	PHY 495	PHY 496

### Additional requirements:

1. PHY 225 to be taken within two semesters of completing PHY 202
2. PHY 302, 306, 314, 325, 435 (or 4 credits of 471)
3. Four additional credits in physics at the 300-400 level
4. Cognates: CHM 125, MTH 329

### Special Notes:

1. Students planning on attending graduate school in physics should take physics courses in addition to those required for the major.

**POLITICAL SCIENCE MAJOR  
Teacher Certification**

**ODD YEAR = YEAR OF ENTRY**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PSI101/105	PSI 234*	EDU 211	EDU 221	EDU321	EDU361	SSI 325	PSI 496
	PSI 101/105	PSI 213*	SSI 322	SSI 323	SSI 324	EDU 453	
EDU 101 (Rec.)			PSI 332*	PSI 243*	EDU 325	EDU 341	
	PSI 313*						
					IST 201	PSI 328*	

**EVEN YEAR = YEAR OF ENTRY**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
PSI 101/105	PSI 101/105	EDU 211	EDU 221	EDU 321	EDU 361	PSI 325	PSI 496
EDU 101(Rec.)		PSI 243*	SSI 322	SSI 323	SSI 324	EDU 453	
		PSI 313*	PSI 234*	EDU 325	EDU 341@		
			PSI 328*	PSI 213*	PSI 332*		
			IST 201				

\*optional courses -- this is the preferred sequence of these courses.

**Additional requirements:**

1. A total of 30 credits in PSI
2. PSI 325 or PSI 337
3. A total of 6 or more credits chosen from one or more of the areas of history, economics, sociology, and psychology.
4. Completion of an additional teaching major or subject endorsement.
5. All requirements listed under the catalog section Secondary Education.
6. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

1. Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.
2. A maximum of 3 internship credits of PSI 421 and 3 internship credits of PSI 425 may be counted toward the major in political science.
3. PSI 426 may not be counted towards the major.

## POLITICAL SCIENCE MAJOR

### ODD YEAR = YEAR OF ENTRY

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u> PSI 101/105	<u>Spring</u> PSI 234* PSI 101/105	<u>Fall</u> PSI 213*	<u>Spring</u> PSI 332*
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u> PSI 243* PSI 313*	<u>Spring</u> PSI 328*	<u>Fall</u>	<u>Spring</u> PSI 496

\*optional courses -- this is the preferred sequence of these courses.

### EVEN YEAR = YEAR OF ENTRY

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u> PSI 101/105	<u>Spring</u> PSI 101/105	<u>Fall</u> PSI 243*	<u>Spring</u> PSI 234* PSI 328*
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u> PSI 213*	<u>Spring</u> PSI 332*	<u>Fall</u> PSI 313*	<u>Spring</u> PSI 496

\*optional courses -- this is the preferred sequence of these courses.

### Additional requirements:

1. A total of thirty (30) credits in political science
2. PSI 325 or 337

### Special Notes:

1. A maximum of three internship credits of PSI 421 and three internship credits of PSI 425 may be counted toward the major in Political Science.
2. PSI 426 may not be counted towards the major.
3. Students majoring in political science frequently pursue a career in law. They also work in leadership and management positions, not only in government, but the private sector as well. Some political science majors eventually have a political career, and others become educators. Students majoring in political science often complete a second major or have considerable course work in a variety of related fields such as communication, economics, history, management, marketing, psychology, and sociology.

**PSYCHOLOGY MAJOR**  
**Mental Health Emphasis**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>		<u>Fall</u>	<u>Spring</u>
PSY 117	PSY 255 (or 256 FO)	PSY 234	PSY 252
		CED 205	SSI 217
		PSY 245	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>		<u>Fall</u>	<u>Spring</u>
	PSY 336 (or 365)	PSY 496	PSY 416 (or 305 FE)
	PSY 355		
	PSY 396		

**Additional requirements:**

1. Six credits of PSY 421
2. Four additional credits in Psychology (to total 35 credits in Psychology)

**Special Notes:**

1. A maximum of eight internship credits (including PSY 355 and 421) may be counted toward the major with the approval of the faculty in the discipline.

**PSYCHOLOGY MAJOR**  
**General Emphasis**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>		<u>Fall</u>	<u>Spring</u>
PSY 117	PSY 255 (or 256 FO)	PSY 245	PSY 252
		SSI 217	PSY 336
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
	PSY 396	PSY 496	PSY 416
	PSY 365		

**Additional requirements:**

1. PSY 314 (FE) or 342 (FO)
2. PSY 445 (FE)
3. Five additional credits in psychology (to total 35 credits in psychology)



## PUBLIC ADMINISTRATION MAJOR

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b> ECO 203	<b><u>Spring</u></b> PSI 101	<b><u>Fall</u></b> BUS 242	<b><u>Spring</u></b>
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b> PAD 493

### **Additional requirements:**

1. PSI 234
2. BUS 212
3. Five courses from the following: BUS 215 (or SSI 217), 312, 315, 341, 410, 418; ECO 204; ECO/PSI 308; PSI 243; PSY/SOC 336.
4. Completion of a field examination during the senior year.

### **Special Notes:**

1. Public Administration majors may use any prefix except PSI to satisfy the Liberal Arts requirement of the Doane Plan.

## **RELIGIOUS STUDIES MAJOR**

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b> PRE 120	<b><u>Spring</u></b> PRE 121	<b><u>Fall</u></b>	<b><u>Spring</u></b>
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b> RST 495

### **Additional requirements:**

1. Fifteen credits in religious studies, three of which must be at the 400 level (excluding RST 495)
2. One course chosen from PRE 110, 111, 231, or PHI 114
3. Two courses chosen from PHI 210, 214, 311, 411, 317, 417, 371, 471

### **Special Note:**

1. Students who take PRE 231 are encouraged to take PHI 311/411 at the 400 level.

**SOCIOLOGY MAJOR**  
**Criminal Justice Emphasis**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>		<u>Fall</u>	<u>Spring</u>
SOC 109	PSY 117	BUS 242	
		SOC 210	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SOC 312	SOC 310	SOC 496	
SOC 314			
SOC 285			

**Additional requirements:**

1. Twelve credits from: SOC /PSY 225, 336; SOC 288, 324, 421; PSY 234, 305

**Special Notes:**

1. A maximum of 6 internship credits (SOC 421) may be counted toward the emphasis.

## SOCIOLOGY MAJOR

**First Year**  
**Fall**  
SOC 109  
**Spring**

**Second Year**  
**Fall**  
SSI 217  
**Spring**

**Third Year**  
**Fall**  
SOC 285  
**Spring**

**Fourth Year**  
**Fall**  
SOC 496  
**Spring**

### **Additional requirements:**

1. SOC 415
2. Seventeen (17) additional credits in sociology

### **Recommended courses:**

1. CED 205

### **Special Notes:**

1. A maximum of 8 internship credits in SOC 421 may be counted toward the major with the approval of the faculty in the discipline.

## SPANISH and BUSINESS ADMINISTRATION Double Major

Students planning a double major in business administration and Spanish should follow this schedule of classes in order to complete both majors (including a semester abroad during the junior year) in four years.

### Students entering at the 100 level:

<u>1st Year</u>		<u>2nd Year</u>		<u>3rd Year</u>		<u>4th Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
ACC 103&L	ACC104&L	BUS251	CMS *	BUS 341	Study	BUS xxx	BUS 497
ECO 203	ECO 204	BUS 215	BUS 205	D Plan	Abroad**	BUS xxx	BUS 302
MTH 115/235	ENG 101	BUS 226	BUS 242	Science		D Plan	BUS xxx
SPA 101	SPA 102	SPA 203	SPA 204	SPA 305		SPA 312/314	Spa 423
LAr 101	D Plan	CED 205	BUS 212	D Plan		D Plan	D Plan
	PED 104	D Plan				Science	SPA 306
		PED 101					

### Students entering at the 200 level:

<u>1st Year</u>		<u>2nd Year</u>		<u>3rd Year</u>		<u>4th Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
ACC103&L	ACC104&L	BUS 251	CMS *	BUS 341	Study	BUS xxx	BUS 497
Eco 203	ECO 204	BUS 215	BUS 205	D Plan	Abroad**	BUS xxx	BUS 302
MTH 115/235	ENG 101	D Plan	BUS 242	Science		SPA 312/314	SPA 423
SPA 203	SPA 204	SPA 305	SPA 306	SPA 312/314		Science	BUSxxx
LAR 101	D Plan	CED 205	BUS 212	D Plan		D Plan	D Plan
	PEd 104	BUS 226					D Plan
		PEd101					

\*or CMS 112 or 210 or 220

\*\* Study Abroad could be done fall of year four instead

**Note:** Take one Doane Plan course during Interterm.

### Additional Requirements

1. Complete 30 credits of Spanish beginning at the intermediate level (excluding 101, 102, 317, 319, 321, 325).
2. A student must earn 12 to 17 credits in Spanish in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. One BUS course must be at the 400 level.
4. BUS 497 and six additional business credits at the 300 or 400 level (excluding 317, 319, 324, 325) must be completed in residence through the Division of Business and Economics.

### Special Notes:

1. Bus 307 and 394 should not be taken the same term.
2. Students choosing a business administration major may want to focus on a specific functional area of business and should consider the following suggested electives for each area:

**Graduate school:** BUS 339, MTH 235. Pre-law students should consult with pre-law advisor for further details.

**General management:** BUS 312, 315\*, 339, 342, 346, 410, 496\*; other relevant course: PSY 336 (prereq of PSY 117 or SOC 109).

**Finance:** BUS 307, 394\*, 445, 460\*; other relevant courses: ACC 231\*, 232, MTH 235, 236

**Human resource management:** BUS 312\*, 315, 346, 410, 418; other relevant courses: PSY 336 (prereq of PSY 117 or SOC 109), 365 (prereq of PSY 117), SOC 324, CMS 321.

**International business:** BUS 346, 357, 496, BUS /ECO 358 (prereq of ECO 203); other relevant courses: HIS 353, SOC 308, CMS 321, and foreign language courses\*.

**Marketing:** BUS 301, 324, 357, 452; other relevant courses: ART 258 (prereq of ART 107), IST 407 (prereqs of IST 145, 307), CMS 321. Other art courses are also valuable (ART 270, 303, 304).

\* Often required in careers in this field.

**SPANISH and ENGLISH  
Double Major**

**Students entering at the 100 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 101	SPA 102	SPA 203	SPA 204	SPA 305	Study	SPA 312/314	SPA 423
LAR 101	ENG. Lit	ENG xxx*	CED 205	ENG xxx*	Abroad	ENG 392	SPA 306
ENG 101	D Plan	D Plan	ENG 393	ENG 305	CED 351	ENG xxx*	ENG495
D Plan	D Plan	D Plan	CmS **	D Plan		ENG xxx	ENG342/351
D Plan	PED 104	D Plan	DPlan	D Plan		Elective	Elective
	PED 101					Elective	Elective

\*\* or CMS 112 or 210 or 220

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

**Students entering at the 200 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 203	SPA 204	SPA 305	SPA 306	ENG 305	Study	SPA 312/314	SPA 423
LAR 101	ENG. Lit	ENG xxx*	CED 205	SPA 312/314	Abroad	ENG 392	ENG495
ENG 101	D Plan	D Plan	ENG 393	ENG xxx*	CED 351	ENG xxx*	ENG342/351
D Plan	D Plan	D Plan	CMS **	D Plan		ENG xxx*	Elective
D Plan	PED 104	D Plan	DPlan	D Plan		Elective	Elective
	PED 101					Elective	

\*Take twelve additional credits in English (not including 100, 101, 323, 324, 325, 326).

\*\* or CMS 112 or 210 or 220

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

**Additional Requirements:**

1. Complete 30 credits of Spanish beginning at the intermediate level (excluding 101, 102, 317, 319, 321, 325).
2. A student must earn 12 to 17 credits in Spanish in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. If only 17-20 credits are taken abroad, additional coursework in Spanish will be required during the fourth year to reach the 30 credit hours.

**SPANISH MAJOR AND ESL ENDORSEMENT  
Teacher Certification**

**Students entering at the 100 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 101	SPA 102	SPA 203	SPA 204	SPA 319	Study	SPA 325	ESL 326
	ENG 101	EDU 211	EDU 221	SPA 321	Abroad	EDU 453	ESL 455
EDU 101 (Rec.)		IST 201	SPA 317	EDU 321&lab		SPA xxx	SPA 306
		ENG 201	ENG 231	ESL 325		SPA 423	
			CMS 321	EDU 325			
				EDU 341&lab			
				SPA 305			

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

**Students entering at the 200 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 203	SPA204	SPA312/314	SPA 305/306	SPA xxx	Study	SPA 325	ESL 326
	ENG 101	EDU 211	EDU 221	SPA 319	Abroad	EDU 453	ESL 455
EDU 101(rec.)	IST 201	SPA 317	EDU 321&lab	SPA xxx	SPA 423		
		ENG 201	ENG 231	ESL 325			
			CMS 321	SPA 321			
				EDU 341&lab			
				SPA xxy			
				EDU 325			

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

**Additional requirements:**

1. Complete 30 credits of Spanish beginning at the intermediate level (excluding 101, 102, 317, 319, 321, 325).
2. A student must earn 12 to 17 credits in Spanish in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. Complete all requirements listed under the catalog section Secondary Education.
4. Complete one additional teaching major or subject endorsement.
5. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.



**SPANISH MAJOR  
Teacher Certification**

**Students entering at the 100 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 101	SPA 102	SPA 203	SPA 204	SPA 319	Study	SPA 325	SPA 423
EDU 101 (rec.)		EDU 211	EDU 221	SPA 321	Abroad	EDU 453	SPA 306
			SPA 317	EDU 321&lab			
			EDU 361*	SPA 305			
			IST 201	EDU 341&lab			
				EDU 325			

\*Take Edu 361 this term if studying abroad during spring term of the junior year.

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

**Students entering at the 200 level:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 203	SPA 204	SPA 312/314	SPA 306	SPA 312/314	Study	SPA 325	SPA 423
EDU 101 (rec.)		EDU 211	EDU 221	SPA 319	Abroad	EDU 453	
		SPA 305	SPA 317	EDU 321&lab			
			EDU 361*	SPA 321			
			IST 201	EDU 341&lab			
				EDU 325			

\*Take Edu 361 this term if studying abroad during spring term of the junior year.

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

**Additional requirements:**

1. Complete 30 credits of Spanish beginning at the intermediate level (excluding 101, 102, 317, 319, 321, 325).
2. A student must earn 12 to 17 credits in Spanish in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.
3. Complete all requirements listed under the catalog section Secondary Education.
4. Complete one additional teaching major or subject endorsement.
5. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## SPANISH MAJOR

### Students entering at the 100 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 101	SPA 102	SPA 203	SPA 204	SPA 305	Study Abroad	SPA 312/314	SPA xxx SPA 306

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

### Students entering at the 200 level:

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
SPA 203	SPA 204	SPA 305	SPA 306	SPA 312/314	Study Abroad	SPA 312/314	SPA xxx

Note: depending on the credits taken abroad, additional coursework may be needed to reach 30 credits.

### Additional requirements:

Complete 30 credits of Spanish beginning at the intermediate level (excluding 101, 102, 317, 319, 321, 325).

A student must earn 12 to 17 credits in Spanish in a semester or summer abroad program, with the approval of the department. The student has the option of earning up to 24 credits for a full year abroad.

**SOCIAL SCIENCE MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
HIS 105	HIS 106	HIS 205	HIS 206
PSI 101	PSY 117	EDU 211	EDU 221
MTH xxx	Science & lab	GEG 301/GEG 112***	SSI 322
ENG 101	D Plan	SOC 109	PSY xxx
LAR 101	PED 101	#1 *	#2 *
EDU 101 (Rec.)	CMS 112/210/220	PED 104	IST 201
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab	EDU 361	EDU 453	HIS 496
SSI 323	SSI 324	SSI 325	HIS yyy***
EDU 325	SOC xxx	Directed Study	PSI xxx
ECO 203	ECO 204		HIS**/Elective
GEG 301/GEG 112***	Edu 341& lab		
ANT/SOC 308	D Plan		
Science	HIS**/Elective		

\* Nine additional credits chosen from: anthropology/sociology, economics, political science, psychology.

\*\* HIS 314 or 326 or 338 or 346

\*\*\* fall even course -- take 2<sup>nd</sup> or 3<sup>rd</sup> year

**Additional requirements:**

1. All requirements listed under the catalog section Secondary Education
2. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## SOCIAL SCIENCE MAJOR

<u>Fall</u>	<u>First Year</u>	<u>Spring</u>	<u>Fall</u>	<u>Second Year</u>	<u>Spring</u>
<u>Fall</u>	<u>Third Year</u>	<u>Spring</u>	<u>Fall</u>	<u>Fourth Year</u>	<u>Spring</u>

### Additional requirements:

1. A total of 20 credits in a discipline of emphasis chosen from economics, history, political science, psychology, sociology
2. Twelve credits in each of three disciplines other than the one of emphasis
3. SSI 217
4. Seminar project in the form of a directed study in the discipline of emphasis is required.

### Recommended courses:

A methodology course for students with an emphasis in psychology or sociology

**THEATRE MAJOR  
Teacher Certification**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
THE 101	THE 115	THE 108	THE 109
THE 103		EDU 211	EDU 221
EDU 101 (Rec.)		THE 217*	THE 320
		IST 201	
 <u>Third Year</u>		 <u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
EDU 321& lab	EDU 361	EDU 453	THE 495(3cr.)
THE 322	THE 324	THE 326	THE 105
EDU 325	EDU 341& lab		
THE 217*			

\*alternate year course, take during the 2<sup>nd</sup> or 3<sup>rd</sup> year

**Additional requirements:**

1. THE 303, 304 -- alternate year courses; take during the 2<sup>nd</sup> or 3<sup>rd</sup> year
2. THE 309, 314
3. ENG 392
4. PED 101 (Creative Movement) or PED 101 (Jazz Dance)
5. Successful completion of ATV 173 each term of attendance. A minimum of 4 credits must be applied to the major.
6. Multicultural Interterm during the third or fourth year; contact the education department about exceptions.
7. One other teaching major, such as English, Communication, Art, Music, Business, etc. or subject endorsement.
8. All requirements listed under the catalog section Secondary Education.

**Special Notes:**

Students should meet with Dr. Tom King, Dr. Frank Daniels, or Dr. Linda Kalbach early in the fall term and should meet prior to preregistration each term.

## **THEATRE MAJOR**

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
THE 101	THE 115	THE 108	THE 109
THE 103		THE 217*	
		THE 210	
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
THE 217*		ENG 392**	THE 495(3cr.)
ENG 392**			

\*Take fall term of second or third year

\*\* Take fall term of third or fourth year

### **Additional requirements:**

1. THE 224, 303, 304 (alternate year courses -- take during the 2<sup>nd</sup> or 3<sup>rd</sup> years)
2. Three credits from THE 224, 421
3. ENG 392
4. PED 101 (Creative Movement) or PED 101 (Jazz Dance)
5. Three credits from the following: THE 207, 208, 212, 309, 311, 314, 318
6. Successful completion of ATV 173 each term of attendance. A minimum of 4 credits must be applied to the major.

### **Special Notes:**

Students majoring in theatre or intending to take upper division theatre courses should register for THE 101 during the first or second year.

**PRE-NURSING, BSN  
(UNMC model)**

**Revised 2007**

<u>YEAR 1</u>		<u>YEAR 2</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 225	BIO 226	BIO 260	BIO 348
CHM 125	PED 209	ENG 201	PSI 101
ENG 101	Humanities	PRE 111	
FamHumBehav <sup>4</sup>			
PSY 117	PSY 255 <sup>3</sup> or FrElec	PSY 256 <sup>1,3</sup> or FrElec	ReqElec <sup>5</sup>
Free Elective	SOC 109	BIO 295	SOC 324

Required: Free elective courses, 7-9 cr total.

<sup>1</sup> Offered Fall Odd

<sup>2</sup> Permission of instructor is required to take PSY 256 this term

<sup>3</sup> Or complete the required Human Development course available by correspondence through UNL. Other options for completing the Human Growth and Development requirement include Psych 289 or FACS 160 at UNL, Psych 2960 at SCC, Psych 135/Nursing 135 at Nebraska Wesleyan.

<sup>4</sup> Family and Human Behavior suggested course: SOC 366, offered alternate years

<sup>5</sup> Required elective: includes one additional course from one of the following categories: humanities, political science/ social organization, family and human behavior, culture/race/ethnicity/gender. Instead of one of these courses, student may choose a course in genetics or immunology.

**Additional requirements:**

1. 64 credit hours are required for admission. Non-nursing science and liberal arts prerequisites may be taken at a variety of accredited institutions of higher education.
2. The required Pharmacology and Nutrition courses are available by contacting the UNMC College of Nursing.
3. Math competency (student must be ready for college algebra or have Math ACT of 22 or higher).

**Special Notes:**

Check with Dr. Clement ASAP, since program requirements vary slightly from school to school. Admission to UNMC is competitive based on GPA.

**PRE-ART THERAPY  
(Art Major)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u> ART 107	<u>Spring</u> ART 110 ART 205	<u>Fall</u> ART 207	<u>Spring</u> ART 307 ART 310
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u> ART 315	<u>Spring</u> ART 320 ART 326	<u>Fall</u> ART 325	<u>Spring</u> Group Exhibition

**Additional requirements:**

1. A total of 15 additional credits in elective studio courses to make a total of 46 credits in art.
2. 24 cr. hr. in psychology, including PSY 365 and PSY 416
3. ART 204, 352 (ART 352 should be taken by the end of the sophomore year.)

**Recommended courses:**

1. PSY 255 and 256

**Special notes:**

A double major in art and psychology is recommended when possible.  
Students with special ability scholarships in art must take two art classes each year.

**(Program advisors: Mr. Gary Martin and Dr. Rod Peters.)**



**PRE-CHEMICAL ENGINEERING  
(Chemistry Major)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 235*	MTH 236	MTH 237	MTH 238
CHM 125	CHM 126	IST 145	CHM 112/210/220
PHY 201	ENG 101	CHM 205	CHM 206
DPlan	PHY 202	D Plan	D Plan
LAR 101	PED 101	PED 104	D Plan
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 411	CHM 412	**	
CHM 303	D Plan		
CHM 256	D Plan		
BUS 305	D Plan		
D Plan	D Plan		

\* or MTH 107 (or 108) and 125 in the first year and 235-236 the second

\*\*Transfer back 4 credits of chemistry from engineering school.

**Additional requirements:**

1. Interterms: (1<sup>st</sup> yr.) ITM, (2<sup>nd</sup> yr.) PHY graphics, (3<sup>rd</sup> yr.) PHY statics
2. MTH 329 (spring of odd years)
3. IST 145 or 205
4. Completion of the Doane Plan can provide the proper liberal arts requirements of the engineering school. However, they may vary somewhat, so check and plan EARLY. Any major meeting the prerequisites is ok with the engineering school.

**Special Notes:**

1. This schedule is based on the requirements for the UNL Industrial & Management Degree, which is subject to change without notice. Check with the program adviser if another graduate program is being considered.
2. To be able to handle the pre-engineering curriculum, the freshman should have a math ACT of 23 or higher and should have taken trigonometry and analytical geometry in high school.
3. Requirements for admission to most engineering schools--Cum GPA of 3.00 overall and in science and mathematics courses
4. Complete a major.
5. Physics 107 can be waived if the student has a strong physics and calculus background. (Program advisor: Dr. David Clevette.)

**PRE-CLINICAL SCIENCE  
(Biology Major)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125	CHM 126	CHM 205	CHM 408***
BIO 120	BIO 121	BIO 260	BIO 202
LAR 101	ENG 101	ENG **	BIO 348
MTH 108*		BIO 295	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 335	BIO 317	BIO(b or any area)	BIO(b or any area)
CMS 112/210/220	BIO 356****	BIO /CHM 495	BIO /CHM 496
BIO /CHM 351			

\* UNMC will accept MTH 107 or higher; they prefer MTH 115 or 125

\*\* ENG 201 or any course in English; their goal is for a student to have a second semester writing English papers.

\*\*\* or take CHM 206 and then take CHM 408 in the third year - CHM 408 is recommended

\*\*\*\* physiology (BIO 356) and molecular biology (BIO 335) are strongly recommended

*Students must successfully complete 86 semester hours prior to application to the program.*

*Other GPA requirements may be necessary. Please see the web page for specific details.*

[http://www.unmc.edu/dept/alliedhealth/mt/index.cfm?L2\\_ID=11&L1\\_ID=4&CONREF=53](http://www.unmc.edu/dept/alliedhealth/mt/index.cfm?L2_ID=11&L1_ID=4&CONREF=53)

**Additional requirements:**

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. Bio 340, Evolution, can count in any category.
  - a) BIO 308, 320, 330, 340, 355, 356
  - b) BIO 342, 340, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Maximum of 4 credits of directed study may be counted toward the major.
3. Pass a departmentally administered exam with a score of 60% or higher.
4. Additional requirements are listed in the catalog.

(Advisors: Dr. Kate Marley, Dr. Barb Clement, Dr. Brad Elder)

**PRE-DENTAL HYGIENE  
(UNMC model)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 120	BIO 348	BIO 225	BIO 226
CHM 125	CHM 126	PSY 117	CMS 105
ENG 101	SOC 109	ENG 201 **	Hum. Elec. ***
Hum/Art Elec	Elective *	PED 209	12-hr series ***

\* Social and Behavioral Sci/Human Behavior/culture/social organization, 3 cr

\*\* or another course with a strong writing component

\*\*\* a minor in which all courses have the same academic prefix. Consult the DH advisor for details.

**General Considerations:**

**Recommended courses:**

**(Program director: Dr. Barb Clement)  
(Additional advisor: Dr. Kate Marley)**

**PRE-DENTISTRY  
(Biology Major)**

**First Year**

**Fall**

BIO 120  
CHM 125\*  
ENG 101\*

**Spring**

BIO 121  
CHM 126\*  
MTH

**Second Year**

**Fall**

BIO 260  
CHM 205\*  
ENG 201\*\*

BIO 295

**Spring**

BIO elective  
CHM 206\*

**Third Year**

**Fall**

BIO elective  
PHY 107\*

BIO /CHM 351

**Spring**

BIO elective  
PHY 108\*

**Fourth Year**

**Fall**

BIO/CHM 495  
BIO elective

**Spring**

BIO/CHM 496  
BIO elective

\*required courses for dental school admissions

\*\*required, or another course with a strong writing component

**Additional requirements:**

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. BIO 340 can count in any category.
  - a) BIO 308, 320, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Maximum of 4 credits of directed study may be counted toward the major
3. MTH 107 or 108 or higher (235 is strongly recommended)
4. Pass a departmentally administered exam with a score of 60% or higher.
5. Additional requirements are listed in the catalog.

**General considerations:**

To be considered for admission to dental school students must complete 90 semester hours prior to matriculation, although almost all applicants have a four-year degree. Pridental work may be completed at any accredited college or university in the United States or Canada.

Applicants take the DAT, generally any time from spring through summer or early fall of the application year, and scores do not need to be submitted with the application.

Early application submission is recommended. Applications are available at the end of May for that application year. Interviews begin being scheduled in late August, and it is not unusual for the class selections to be almost complete by Dec. 1. No student is accepted without an interview. Average entering GPA is 3.8, average DAT scores are 18-19. Extensive shadowing is strongly encouraged.

**Recommended courses:**

Elective courses may include: anthropology, business law, business organization, English literature, economics, anatomy\*, biochemistry\*, histology\*, cell biology, comparative anatomy, genetics, mathematics, political science, psychology, sociology, immunology\*\*, microbiology\*\*, physiology\*, vertebrate zoology. Also recommended: Management (Bus 242)

*\*strongly recommended*

*\*\*strongly recommended as schedule permits*

(Program advisor: Dr. Barb Clement)  
(Additional advisor: Dr. Kate Marley)

**PRE-ENGINEERING  
(Computer Science Major)**

**When the first fall semester is an EVEN year:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
LAR 101	IST 146	IST 246	IST 314	MTH 303	IST 315
IST 140	MTH 236	MTH 237	MTH 238	CHM 125	IST 495(1 cr)
IST 145	MTH 250	MTH 330	PED 104	D Plan	MTH 329
MTH 235	PHY 202	IST 252	D Plan	D Plan	CHM 126
PHY 201	ENG 101	CMS	D Plan	D Plan	IST 352
PED 101	D Plan		D Plan	D Plan	D Plan
(18 cr.)	(20 cr.)	(19 cr.)	(16 cr.)	(19 cr.)	(20 cr.)

**When the first fall semester is an ODD YEAR:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
LAR 101	IST 146	IST 252	IST 315	IST 353	IST 314
IST 140	MTH 236	MTH 237	MTH 238	MTH 330	IST 495 (1 cr.)
IST 145	PHY 202	MTH 303	MTH 250	CHM 125	MTH 329
MTH 235	ENG 101	CMS	D Plan	D Plan	CHM 126
PHY 201	PED 104	IST 246	D Plan	D Plan	D Plan
PED 101	D Plan	D Plan	D Plan	D Plan	D Plan
(18 cr.)	(18 cr.)	(20 cr.)	(18 cr.)	(18 cr.)	(20 cr.)

**Additional requirements:**

1. Three credits of IST 421, one credit of IST 495, and one credit of ATV 137 will be waived.
2. One Doane Plan course must be taken during an Interterm or during a summer.
3. Six credits of 246 or above IST courses will be transferred back from engineering school.
4. PhyEng1 must be taken during the sophomore interterm.
5. Additional requirements depend on the engineering school the student plans to attend (i.e., Columbia, Washington, UNL). Meet with Mark Plano Clark, the pre-engineering advisor, by the end of the first year.

**Special notes:**

To be able to handle the pre-engineering curriculum, the freshman should have a math ACT of 23 or higher and should have taken trigonometry and analytical geometry in high school. Requirements for admission to most engineering schools -- cum GPA of 3.00 overall and in science and mathematics courses and completion of a major. Some engineering schools accept students under a 3-2 program.

(Program advisor: Dr. Mark Plano Clark.)

**PRE-ENGINEERING  
(Mathematics Major)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 235*	MTH 236	MTH 237	MTH 238
PHY 201	PHY 202	MTH 334/355	MTH 329/356
LAR 101	IST 145	PEd 104	MTH 250
PED 101	ENG 101	D Plan	CMS 112/210/220
D Plan	D Plan	D Plan	D Plan
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 303	MTH 356/329		
MTH 355/334	BUS 305		
CHM 125	D Plan		
PHY 301	D Plan		
D Plan	DPlan		
DPlan	MTH 497		

\* or MTH 125-235 in the first year; 236 in the second year; 237-238 in the third year.

**Additional requirements:**

1. MTH 403 or 433
2. MTH 496 in the second or third year, depending on the math background
3. Interterms: (1<sup>st</sup> yr.) ITM engineering graphics, (2<sup>nd</sup> yr.) Phy statics, (3<sup>rd</sup> yr.) ITM
4. Additional requirements depend on the engineering school the student plans to attend (i.e., Columbia, Washington, UNL). Meet with Mark Plano Clark, the pre-engineering advisor, by the end of the first year.

**Recommended courses:**

1. Physics minor

**Special notes:**

This schedule is based on the requirements for the UNL Industrial & Management Degree.

Check with the program adviser if another graduate program is being considered.

To be able to handle the pre-engineering curriculum, the freshman should have a math ACT of 23 or higher and should have taken trigonometry and analytical geometry in high school.

Requirements for admission to most engineering schools -- cum GPA of 3.00 overall and in science and mathematics courses

Complete a major

Some engineering schools accept students under a 3-2 program.

(Program advisor: Dr. Mark Plano Clark.)

**PRE-ENGINEERING  
(Physics Major)**

**When the first fall semester is an ODD year:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 235	MTH 236	MTH 237	MTH 238	PHY 301	PHY302
PHY 201	PHY 202	PHY 314	MTH 329	PHY /MTH	PHY/MTH
D Plan	IST 145	D Plan	PHY 225	CHM 125	BUS205
LAR 101	ENG 101	D Plan	PHY 306	D Plan	D Plan
PED 101	D Plan	D Plan	CMS 112/210/220	D Plan	D Plan
PED 104			D Plan		

**When the first fall semester is an EVEN year:**

<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
MTH 235	MTH 236	MTH 237	MTH 238	PHY 314	PHY306
PHY 201	PHY 202	PHY 301	MTH 329	PHY/MTH	PHY/MTH
D Plan	IST 145	D Plan	PHY 225	CHM 125	BUS205
LAR 101	ENG 101	D Plan	PHY 302	D Plan	D Plan
PED 101	D Plan	D Plan	CMS 112/210/220	D Plan	D Plan
PED 104			D Plan		

**Additional requirements:**

1. PHY 435 (or 4 credits of 471). This can be completed by an appropriate engineering course transferred back to Doane.
2. PHY 395, 495, 496. This is the senior research project sequence. It can be satisfied by submission of an appropriate project done for an engineering course. Arrangements should be made with the program advisor (Mark Plano Clark).
3. Engineering Graphics should be taken during an Interterm.
4. Additional requirements depend on the engineering school the student plans to attend. Meet with the program advisor (Mark Plano Clark) as soon as possible during the freshman year.

**Special notes:**

This schedule is designed for a 3-2 student who transfers to engineering school at the conclusion of the third year.

The choice of additional mathematics or physics courses in the third year depends on the intended engineering major. Check with program advisor for recommendations.

To handle the pre-engineering curriculum, the freshman should have a math ACT of 23 or higher and be prepared to take calculus.

Requirements for admission to most engineering schools -- cum GPA of 3.00 overall and in science and mathematics courses

(Program advisor: Dr. Mark Plano Clark.)





**PRE-FORESTRY  
(Biology Major)  
(Duke University)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 120	BIO 121	BIO 260	BIO
CHM 125	CHM 126	PHY 107	PHY 108
		BIO 201	
		Bio 295	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO	BIO	BIO	BIO

**Additional requirements:**

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component.
  - a) BIO 308, 320, 321, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Maximum of 4 credits of directed study may be counted toward the major
3. Mth 107 or 108 or higher (235 is strongly recommended)
4. Pass a departmentally administered exam with a score of 60% or higher.
5. Additional requirements are listed in the catalog.

**Recommended courses:**

1. PHY 107, 108
2. GEO 103 or 101
3. MTH 235
4. ECO 203, 204

**Special Notes:**

Students should make themselves aware of the particular requirements for their intended forestry graduate program, since there is variation in requirements from one program to another. The requirements given above are for Duke University.

(Program advisor: Dr. Russ Soucek.)

**PRE-LAW**  
**(No specific major)**

**Special Notes:**

1. Completion of a major is required; no specific major is required.
- 2) Possible courses are listed below

**General Information:** The legal profession exists for the purpose of solving problems and resolving conflicts within the framework of law. The adversary court process requires that lawyers possess a wide range of knowledge and skills in order to synthesize the many elements of a litigation into an effective case. Consequently, a broadly-based education is ideal for a pre-law student. Too much specialization as an undergraduate reduces the prospect that a student will possess the range of skills required for the legal profession.

**Requirements:** Students preparing for the legal profession should have proficiency in the following areas:

1. comprehension and expression in English,
2. understanding human institutions and values, and
3. analytical skills.

English and other courses which require considerable reading and analytical writing are ideal for developing verbal skills. Institutions are studied in a variety of courses including business, history, sociology, politics, and government. Many courses in the humanities and social sciences consider value questions, and most college courses develop analytical skills.

**Possible Courses:** Students should choose a major that develops some of the aforementioned skills and understanding. Students should then take courses outside their major which further develop the necessary skills and understanding. Some possible courses are listed below:

ACC 103, 104  
BUS 242 or 341 or 342 or 410  
CMS 210, 351  
ECO 203 (or 271), 204 (or 290)  
ENG 101, 201, 302, 306  
HIS 205, 206, 305  
PRE 111, 114  
PSI 101, 243, 234, 328, or 332  
PSY 117, 336  
SOC 109, 288  
THE 101, 103

(Program advisor: Dr. Tim Hill)

## **PRE-MEDICINE**

(Biology Major) (or Chemistry or Biochemistry Major)  
(UNMC)

<b><u>First Year</u></b>		<b><u>Second Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
BIO 120	BIO 121	BIO 260	BIO 202
MTH 107(or 108)/235*	ENG 101	CHM 205	CHM 206
CHM 125	CHM 126	PHY 107**	PHY 108**
LAR 101			BIO 348/335
			BIO 295
<b><u>Third Year</u></b>		<b><u>Fourth Year</u></b>	
<b><u>Fall</u></b>	<b><u>Spring</u></b>	<b><u>Fall</u></b>	<b><u>Spring</u></b>
BIO 355	BIO 356	BIO/CHM 495	BIO/CHM 496
	CHM 408***	BIO (area b)	BIO (any area)
	BIO /CHM 351		

\* Mth 235 is strongly recommended

\*\*Take in second or third year

\*\*\*Take in the third or fourth year

### **Additional requirements:**

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. BIO 340 can count in any category.
  - a) BIO 308, 320, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Maximum of 4 credits of directed study may be counted toward the major
3. Pass a departmentally administered exam with a score of 60% or higher.
4. Additional requirements are listed in the catalog.

### **Special notes:**

UNMC will not accept P/F grades or CLEP or AP grades toward required courses. For more information, see <http://www.unmc.edu/dept/com> .

(Program advisors: Dr. Barbara Clement, Dr. Kate Marley,  
Dr. Chris Wentworth, Dr. David Clevette.)

**PRE-NURSING**  
**(Bryan LGH College of Health Sciences 2+2 model)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 225	BIO 226	BIO 219 <sup>2</sup>	Cultural Study
CHM 125	BIO 348	PSY 256*	Speech
Soc 109	PSY 117	SPA 101**	Elective
ENG 101	PED 209	<b>BCHS (8 cr)</b>	<b>BCHS (8 cr)</b>
PSY 256*	PSY 255*		
<b>BCHS (2 cr)</b>	<b>BCHS (1 cr)</b>		

<sup>2</sup> Doane Lincoln course

\* Both PSY 255 and 256 are required to fulfill the developmental psychology requirement; PSY 256 is a Fall Odd course. Or, complete the required Human Development course that is now available by correspondence through UNL. Other options include Psych 289 or FACS 160 at UNL, Psych 2960 at SCC, Psych 135/Nursing 135 at Nebraska Wesleyan.

\*\* Or other language, or any level

**General considerations:**

Certified Nursing Assistant (CNA) or equivalent training and CPR certification are required before beginning the second year courses at Bryan College of Health Sciences.

Elective courses include Health/recreation/physical education, humanities, or general education courses.

In the third and fourth years students are primarily engaged in nursing courses at BCHS, with remaining electives/requirements taken at an accredited college of the student's choice.

**Special Notes:**

1. The student should apply for admission to the Bryan College of Health Sciences Bachelor of Science in Nursing program as early as possible to establish a start date for their nursing program, and before beginning the above program. The exact timing of courses at Doane is adjusted by the academic advisor according to that start date.
2. To meet the human development requirement of BCHS, students must take both Psy 255 and 256 from Doane (or one of the options listed above). Psy 256 is offered alternate fall terms. Students entering in an even/odd year may need to remain an additional term to take Psy 256.
3. Required courses must be completed with a grade of C or above.
4. Students must be ready for college algebra.

(Program director: Dr. Barb Clement)  
(Additional advisors: Dr. Kate Marley, Dr. Kathleen Tallman)

## PRE-ACCELERATED BACHELOR OF SCIENCE IN NURSING

### Biology Major

(Based on Creighton program)

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 120	BIO 121	BIO 260	BIO 202
CHM 125	CHM 126	CHM/PHY*	CHM/PHY*
MTH	SOC 109	PSY 117	BIO (b/any area)
		BIO 295	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO (b/any area)	BIO 348	BIO 355	BIO 356
PSY 256**	PSY 255**	PSY 256**	
Pre 111	PEd 209	BIO 495	BIO 496
BIO 351			

\* students are strongly encouraged to take organic chemistry and/or biochemistry

\*\*Both PSY 255 and 256 are required to fulfill the developmental psychology requirement; PSY 256 is a Fall Odd course. Or, complete the required Human Development course that is now available by correspondence through UNL. Other options include Psych 289 or FACS 160 at UNL, Psych 2960 at SCC, Psych 135/Nursing 135 at Nebraska Wesleyan.

### Additional requirements:

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. Bio 340 can count in any category.
    - a) BIO 308, 320, 330, 340, 355, 356
    - b) BIO 340, 342, 345, 350, 353
    - c) BIO 317, 335, 340, 348, 349, 412
  2. Maximum of 4 credits of directed study may be counted toward the major
  3. MTH 107 or 108 or higher (235 is strongly recommended)
  4. Pass a departmentally administered exam with a score of 60% or higher.
- Additional requirements are listed in the catalog.

### General Considerations

An accelerated Bachelor's degree or Bachelor of Science in Nursing (BSN) is a 12 month accelerated college nursing degree program for individuals who already have a 4 year college degree from an accredited college or university. Classes start each January and August on the Omaha campus. August classes are also available on the Creighton University Mary Lanning Campus in Hastings, Nebraska.

A personal statement is required. A cumulative GPA of 3.0 or greater on a 4.0 scale is required. Credit hours earned with grades of "C-" or better at an accredited institution of higher education prior to admission to Creighton University may be transferred at the discretion of the respective College.

(Program director: Dr. Barb Clement)  
(Additional advisor: Dr. Kate Marley)

**PRE-ACCELERATED BACHELOR OF SCIENCE IN NURSING**  
**Biology Major**  
**(Based on UNMC program)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 120	BIO 121	BIO 260	BIO 202
CHM 125	CHM 126	CHM/PHY*	CHM/PHY*
MTH			BIO
		BIO 295	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO	BIO	BIO	BIO
BIO 351		BIO 495	BIO 496

\* take PHY 107 & 108 or take 8 additional credits of chemistry

**Additional requirements:**

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. Bio 340 can count in any category.
  - a) BIO 308, 320, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Maximum of 4 credits of directed study may be counted toward the major
3. Mth 107 or 108 or higher (235 is strongly recommended)
4. Pass a departmentally administered exam with a score of 60% or higher.
5. Additional requirements are listed in the catalog.

**General Considerations**

An accelerated Bachelor's degree or Bachelor of Science in Nursing (BSN) is a 12 month accelerated college nursing degree program for individuals who already have a 4 year college degree from an accredited college or university. In the nursing courses, you will rotate through several areas of the hospital including pediatrics, surgery, geriatrics, medical, surgical, newborn nursery, critical care, and the psychiatric unit. Bachelor degree students also receive experience and education in research, community health and management.

(Program advisor: Dr. Barb Clement)  
(Additional advisor: Dr. Kate Marley)

**PRE-NURSING  
(UNMC model)**

<u>YEAR 1</u>		<u>YEAR 2</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 225	BIO 226	BIO 260	BIO 348
CHM 125	PED 209	ENG 201	PSI 101
ENG 101	Humanities	PRE 111	FamHumBehavior**
PSY 117	PSY 255*/Elective	PSY 256*/ Electiv	RequiredElect.***
Elective	SOC 109	BIO 295	SOC 324

Note: 7-9 credits of Elective courses must be taken in addition to the "Required Elective" in Spring of year two

\* Both PSY 255 and 256 are required to fulfill the developmental psychology requirement; PSY 256 is a Fall Odd course. Or, complete the required Human Development course that is now available by correspondence through UNL. Other options include Psych 289 or FACS 160 at UNL, Psych 2960 at SCC, Psych 135/Nursing 135 at Nebraska Wesleyan.

\*\* Family and Human Behavior suggested course: Soc 366, a Spring Odd course

\*\*\* Required elective: includes one additional course from one of the following categories: humanities, political science/ social organization, family and human behavior, culture/race/ethnicity/gender. Instead of one of these courses, student may choose a course in genetics or immunology.

**Additional requirements:**

1. 64 credit hours are required for admission. Non-nursing science and liberal arts prerequisites may be taken at a variety of accredited institutions of higher education.
2. The required Pharmacology and Nutrition courses are available by contacting the UNMC College of Nursing.
3. Math competency (student must be ready for college algebra or have Math ACT of 22 or higher).

**Special Notes:**

Check with Dr. Clement ASAP, since program requirements vary slightly from school to school. Admission to UNMC is competitive, based on GPA.

(Program director: Dr. Barbara Clement)  
(Additional advisor: Dr. Kate Marley)

**PRE-OCCUPATIONAL THERAPY**  
**(entry level Master of Occupational Therapy)**  
**(Based on College of St. Mary)**

**General Considerations:**

OT programs vary widely. Programs may require 60-90 or more credits to be admitted, some are master's level, some doctoral level (DOT). Some schools offer freshman pre-admit programs. Some require a standardized exam such as the GRE, others do not. The student should check with the school to determine transferability of classes taken elsewhere. It is **STRONGLY** advised that the student identify as early as possible schools he/she is interested in and determine the requirements for those programs before progressing too far in the undergraduate work.

Some programs are 3 + 1.5, in which students transfer in the first 3 years of college coursework, then complete 1.5 years at the OT school, earning both a bachelor's and master's degree.

**Additional requirements/comments:**

1. Typically, students must maintain a 3.0-3.2 minimum GPA in the prerequisite courses, and 3.0-3.2 GPA in science.
2. Demonstrated clock hours of OT volunteer work is required in many schools.
3. Admission is competitive, and based on prerequisite and cumulative grade point averages, letters of reference, and interview.

(Program director: Dr. Barb Clement)  
(Additional advisor: Dr. Kate Marley)



**PRE-OPTOMETRY**  
**(Indiana University School of Optometry model)**  
**Biology Major**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125	CHM 126	PHY 107	PHY 108
MTH 235*	ENG 101	BIO 260	BIO 330
BIO 120	BIO 121	ENG 201**	BIO 202
			PSY 117
			BIO 295
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 355***	BIO 356***	BIO 495	BIO 496
CHM 205	CHM 408***	BIO 348	BIO
	BIO 351		

\*One term of calculus is required for almost all programs.

\*\*Or one other course with strong writing component

\*\*\*Strongly recommended

**Additional requirements:**

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. Bio 340 can count in any category.
  - a) BIO 308, 320, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Maximum of 4 credits of directed study may be counted toward the major
3. Mth 107 or 108 or higher (235 is strongly recommended)
4. Pass a departmentally administered exam with a score of 60% or higher.
5. Additional requirements are listed in the catalog.
6. At least 20 credit hours must be at the 300-400 level.

**General recommendations:**

90 semester hours at an accredited college or university, with a bachelor's degree strongly recommended. Pre-optometry requirements must be completed by the time the student enters the School of Optometry. Students who already have a bachelor's degree with a major in a science field are often fully prepared for admission. Those with degrees in non-science fields may find additional coursework required. There are many colleges of optometry with differing requirements. Check with Dr. Clement or check the catalogs of specific colleges for their complete requirements.

**Recommended courses:**

1. PHY 312 (spring of even years), Small Business Management (1 semester), Medical Terminology (1 semester), Histology (1 semester), Ethics (1 semester)

**(Program director: Dr. Barb Clement)**  
**(Additional advisor: Dr. Kate Marley)**

**PRE-PHYSICIAN'S ASSISTANT  
(Biology Major)  
(Based on UNMC requirements)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125	CHM 126	BIO 260	BIO 202
PSY 117	BIO 121	CHM 205	CHM 206**
LAR 101	ENG 101	PSY 256*	BIO 348
BIO 120			PSY 255
		BIO 295	
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 355	BIO 356	BIO 317	BIO (area b)
ENG 201	CHM 408***	BIO /CHM 495	
BIO/CHM496	PSY 416		
	BIO /CHM 351		

\*PSY 256 is offered alternate years. Only two more courses are required for a psychology minor.

\*\*one semester of organic chemistry (205) is required at UNMC; two semesters (206) are recommended

\*\*\*biochemistry (408) is strongly recommended

**Additional requirements (based on the requirements for UNMC):**

1. Minimum of 50 credit hours (completed by June 1 of the year of intended enrollment)
2. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component.
  - a) BIO 308, 320, 321, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
3. Maximum of 4 credits of directed study may be counted toward the major
4. Mth 107 or 108 or higher (235 is strongly recommended)
5. Pass a departmentally administered exam with a score of 60% or higher.
6. Additional requirements are listed in the catalog.

(Program directors: Dr. Kate Marley, Dr. Barbara Clement.)

## PRE-PHARMACY

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u> CHM 125 BIO 120	<u>Spring</u> CHM 126	<u>Fall</u> CHM 205	<u>Spring</u> CHM 206
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>

### Additional requirements (based on requirements for UNMC):

1. A minimum of 60 credit hours
2. BIO
3. ENG 101
4. CMS or Eng 201
5. Three to five credit hours of calculus
6. SSI 217 or BIO 295
7. CHM 303 or Phy 107
8. One additional course from: MTH 107, MTH 108, MTH 125, PHY 107, CHM 303, IST 145, PRE 110
9. ACC 103
10. ECO 203 or 204
11. Three credits from psychology and three credits from sociology
12. At least 2 courses from: history, philosophy, humanities

### Recommended courses:

1. CHM 203

### Special notes:

1. A chemistry major is recommended.

(Program advisor: Dr. David Clevette.)

## PRE-PHYSICAL THERAPY

(Biology Major)

(Based on UNMC requirements)

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125*	CHM 126*	PHY 107	PHY 108
BIO 120	BIO 121	BIO 260	BIO 202
		PED 106	BIO(area b or c)
		CHM 205*	BIO 295
<u>Third Year</u>		<u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 355	BIO 356	BIO/CHM 495	BIO/CHM496
PED 345**	PED 346**	BIO (area b or c)	BIO (area b or c)
	BIO /CHM 351		

\* only one year of chemistry is required by UNMC; however, other programs may require CHM 205.

\*\* students find several courses in PED appropriate for their preparation. These include PED 221, 345, 346, and 448.

*Students intending to enroll early must complete 90 semester credits prior to July 15 preceding the intended fall semester of enrollment in the DPT program at UNMC. These 90 semester credits must include three upper level courses in the student's intended major.*

### Additional requirements:

1. One course from each of the following groups, plus two additional courses from any group or groups for a total of five courses. Only one of the five courses may be a three-credit course without a laboratory component. Bio 340, Evolution, can count in any category.
  - a) BIO 308, 320, 330, 340, 355, 356
  - b) BIO 340, 342, 345, 350, 353
  - c) BIO 317, 335, 340, 348, 349, 412
2. Mth 107 or 108 or higher (Mth 235 is strongly recommended)
3. Maximum of four credits of directed study may be counted toward the major
4. Pass a departmentally administered exam with a score of 60% or higher.
5. Additional requirements are listed in the catalog.

(Program directors: Dr. Kate Marley, Dr. Barb Clement.)

**PRE-VETERINARY SCIENCE**

**(Biology, Biochemistry, or Chemistry Major)**

**(Based on the requirements for Iowa State and Kansas State)**

<u>First Year</u>		<u>Second Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
CHM 125	CHM 126	CHM 205	CHM 206
BIO 120	BIO 121	BIO 260	BIO 348
ENG 101			
 <u>Third Year</u>		 <u>Fourth Year</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
BIO 355	BIO 356	CMS 210	
PHY 107	PHY 108		
ENG 201	CHM 408		

**Additional requirements:**

1. 8-12 additional credits in Arts, Humanities, and/or Social Sciences
2. 9 additional elective credits in any field
3. GRE
4. The plan above will meet the requirements of both Kansas State and Iowa State. The requirements for other programs may differ somewhat and students should be familiar with the requirements of programs to which they plan to apply.

**(Program director: Dr. Kate Marley)**  
**(Additional advisor: Dr. Barb Clement)**