

COLLEGE OF ARTS AND SCIENCES

DR. LEONARD A. MANN, S.M., *Dean*

REV. MATTHEW F. KOHMESCHER, S.M., *Associate Dean*

THE PURPOSE OF THE COLLEGE OF ARTS AND SCIENCES IS TWO-FOLD: to provide the means for a broad, liberal education directed toward the cultivation of the mind of the student and the optimum development of his intellectual capacities; and to prepare the student for the practical task of making a living. In conformity with the purposes of the University the College strives to obtain these objectives within the framework of the Christian principles which stem from philosophy and theology. Since these two disciplines are the integrating forces of the University, they enjoy within the College of Arts and Sciences the same primacy which they hold in the University itself.

Various programs are offered leading toward the degrees of Bachelor of Arts and Bachelor of Science. In all these programs adequate provision is made to attain the two-fold objective of the College. Thus, students majoring in a science will take courses in literature, foreign language, and the cultural branches of knowledge, such as history and music, to round out their education. Students working toward the Bachelor of Arts are obliged to take a minimum number of hours in science or mathematics or in both to complement the type of training provided by the humanities and the cultural subjects. The programs for both degrees also offer special preparation for the various professions, such as law, medicine, music, social service, personnel administration, nursing, etc. Students who are well qualified are encouraged and prepared to continue their education on the graduate level.

DEGREE REQUIREMENTS

EACH CANDIDATE must complete successfully the courses outlined in one of the programs on the following pages. Exceptions are allowed only with the permission of the department chairmen. In some programs, e.g., Premedical, Nursing, Medical Technology, and Biology, PHE 103, 104 are waived because other courses closely related to these are part of the regular curriculum. Almost all programs require 9-12 hours of a modern language (preferably German for the B.S. Degree).

Each candidate must have a major field of concentration (24 credits). Most programs likewise demand a minor field (12 credits). For the B.A. Degree, a second minor is required. When philosophy is not chosen as the major field for the B.A. Degree, it must be taken as one of the minors. Courses which usually count towards the major or minor are listed in the catalog as 300 and 400 courses and designated as upper division courses. Electives are likewise chosen generally from 300-400 courses. They should be selected with

the advice of the candidate's department chairman. For those pursuing a B.S. Degree, it is highly recommended that these electives be chosen from the Humanities.

Possible majors for the B.A. Degree are: Art, economics, English, history, journalism, languages, mathematics or mathematical statistics, music, philosophy, political science, psychology, sociology, speech and theology.

Possible majors for the B.S. Degree are: Biology, chemistry, geology, mathematics, home economics, medical technology, nursing and physics.

Each candidate must earn a cumulative grade point average of at least 2.0 in

- a. his total college work
- b. his major and minor fields of concentration

PRE-PROFESSIONAL COURSES

THE SCHEDULE should be drawn up with a view to preparation for a particular profession which the student may have in mind. Hence it is imperative that the student consult the dean to receive the proper educational guidance.

Students contemplating the legal profession can generally satisfy the requirements of Schools of Law by following the curriculum prescribed for the degrees in liberal arts or in business administration. Information as to specific requirements should be secured from the particular School of Law which the student desires to enter. Ordinarily ninety credit hours will admit to law school; in particular instances, a bachelor's degree is required.

For foreign service, a curriculum, similar to that of pre-legal students, should be followed with special emphasis on foreign languages and political science.

Two years of college study are required for admission to the first year of Philosophy in diocesan seminaries. During these years stress should be placed upon English, the classical and the modern foreign languages.

In the fields of social service and public administration, there is a great demand for trained personnel. The bachelor's degree is required for admission to a recognized School of Social Work. The undergraduate curriculum should include courses in biology, economics, philosophy, political science, psychology, sociology, statistics and theology.

Students contemplating the medical profession should consult the pre-medical program (Program X, p. 112). They should also keep in touch with the pre-medical advisor.

Those who intend to enter other professions such as Optometry, Mortuary Science, Pharmacy, and Veterinary Science, may take a program of studies designed to give them admission to these schools. However, since these requirements differ so much among the various schools, each student has his program worked out with the professional school of his choice in mind.

BACHELOR OF ARTS PROGRAMS

GENERAL REQUIREMENTS FOR THE A. B. DEGREE

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology <i>or</i>	
MIL 101	First Year Basic.....	2	SPE 101	Fund. of Eff. Speak.....	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic.....	2
PHE 103	Health	1	PHE 102	Phys. Educ. (Women)....	1/2
ENG 101	English Composition	3	PHE 104	Health (Women)	1
HST 101	Hist. of Civilization	3	ENG 102	English Composition	3
	Language	3	HST 102	Hist. of Civilization	3
	(1) Mathematics or Science	3-4		Language	3
ORI 101	Orientation	0		(1) Mathematics or Science	3-4

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theol. <i>or</i>	
MIL 201	Second Year Basic.....	2		Elective	3
PHE 201	Phys. Educ. (Women)	1/2	MIL 202	Second Year Basic.....	2
ENG 221	English Literature	3	PHE 202	Phys. Educ. (Women)	1/2
PSY 201	Introd. Psychology	3	ENG 222	American Literature	3
HST 251	Amer. Hist. to 1865.....	3	SOC 201	General Sociology	3
	Language	3	HST 252	Amer. Hist. since 1865....	3
SPE 101	Fund. of Eff. Speak.....	3		Language	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology (2)	3	THL 306	Theol. & Moral Virtues..	3
	Major Field	6	PHL 402	Gen. Metaphysics (2)	3
	Second Minor	3		Major Field	6
(3) Electives		3-6		Second Minor	3
				(3) Electives	3-6

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 403	Natural Theology (2)	3	THL 406	Christology & the Sac....	3
	Major Field	6	PHL 404	Ethics (Non-Cath.) <i>or</i>	
	Second Minor	3	PHL 406	Hist. of Grk. Phil.	
(3) Electives		3-6		(Cath.)	3
				Major Field	6
				Second Minor	3
				(3) Electives	3-6

(1) If Psychology is chosen as the major field, the freshman science must be BIO 101-102, or BIO 113 and CHM 110 followed by BIO 207 in the sophomore year.

(2) If Philosophy is chosen as the major field, it is replaced by another field as the first minor.

(3) Electives are generally selected from 300-400 courses.

PROGRAM I

BACHELOR OF ARTS WITH A MAJOR IN ART

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
Subjects		Cr. Hours	Subjects		Cr. Hours
PHL	103	Logic .....3	THL	106	Dogmatic Theology or
MIL	101	First Year Basic.....2	MIL	102	First Year Basic.....2
PHE	101	Physical Education ½	PHE	102	Phys. Educ. (Women).... ½
PHE	103	Health .....1	PHE	104	Health (Women) .....1
ENG	101	English Composition I.....3	ENG	102	English Composition II.....3
HST	101	Hist. of Civilization .....3	HST	102	Hist. of Civilization .....3
		Language .....3			Language .....3
SPE	101	Fund. of Eff. Speak. ....3	ART		Basic Courses .....6

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER				
Subjects		Cr. Hours	Subjects		Cr. Hours		
PHL	207	Philosophical Psy.	3	THL	206	Gen. Moral Theology.....	3
MIL	201	Second Year Basic.....	2	MIL	202	Second Year Basic.....	2
PHE	201	Phys. Educ. (Women)	1/2	PHE	202	Phys. Educ. (Women)	1/2
ENG	221	English Literature.....	3	ENG	222	American Literature	3
HST	251	Amer. Hist. to 1865.....	3	HST	252	Amer. Hist. since 1865....	3
PSY	201	Introd. Psychology	3			Language	3
		Language	3	ART		Basic Courses	6
SOC	201	Gen. Sociology	3				

Junior Year

FIRST SEMESTER			SECOND SEMESTER				
Subjects		Cr. Hours	Subjects		Cr. Hours		
PHL	306	Epistemology	3	THL	306	Theol. & Mor. Virtues....3	
ART		Advanced Art	6	PHL	402	Gen. Metaphysics	3
		(1) Second Minor	3	ART		Advanced Art	6
SPE	101	Fund. of Eff. Speak.....3				(1) Second Minor	3
		Electives	3			Electives	3

Senior Year

FIRST SEMESTER			SECOND SEMESTER				
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>		
PHL	403	Natural Theology	3	THL	406	Christology & Sac.....	3
ART		Advanced Art	6	PHL	404	Ethics (Non-Cath.) or	
		(1) Second Minor	3	PHL	406	Hist. of Grk. Phil.	
		Electives	3-6			(Cath.)	3
				ART		Advanced Art	6
						(1) Second Minor	3
						Electives	3-6

(1) The second minor may be chosen from the following fields: psychology, sociology, economics, political science, history, English, or one of the languages.

Basic courses in art to be selected for lower division work are: design, 6 credit hours; perspective, 3 credit hours; cast drawing, 3 credit hours.

Advanced courses for the field of concentration are: life drawing, 4½ credit hours; commercial art, 6 credit hours; crafts, 4½ credit hours; sculpture, 3 credit hours; painting, 3 credit hours; electives, 3 credit hours.

PROGRAM II

BACHELOR OF ARTS WITH A MAJOR IN ECONOMICS

See Page 115 for Freshman Year

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER				
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>		
PHL	207	Philosophical Psy.	3	THL	206	Gen. Moral Theol.	3
MIL	201	Second Year Basic	2	MIL	202	Second Year Basic	2
PHE	201	Phys. Educ. (Women)....	1/2	PHE	202	Phys. Educ. (Women)	1/2
ENG	221	English Literature	3	ENG	222	American Literature	3
PSY	201	Introd. Psychology	3	SPE	101	Fund. of Eff. Speak.	3
HST	251	Amer. Hist. to 1865.....	3	HST	252	Amer. Hist. since 1865....	3
		Language	3			Language	3
ECO	201	Prin. of Economics	3	ECO	202	Prin. of Economics	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL	306	Epistemology .....3	THL	306	Theol. & Moral Virtues....3
ECO	405	Money, Credit & Bank....3	ECO	404	Business Cycles .....3
ECO	300-400	Elective.....3	ECO	300-400	Elective.....3
	300-400	Second Minor .....3		300-400	Second Minor .....3-6
	300-400	Electives .....3-6	PHL	402	Gen. Metaphysics .....3
				300-400	Elective3

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL	403 Natural Theology.....	3	THL	406 Christology & Sac.	3
ECO	300-400 Electives	6	PHL	404 Ethics (Non-Cath.) or	
	300-400 Second Minor	3	PHL	406 Hist. of Grk. Phil.	
	300-400 Electives	6		(Cath.)	3
			ECO	300-400 Electives	6
				300-400 Second Minor	3
				300-400 Electives	6

Note: Elective courses in Economics are to be selected in consultation with the Chairman of the Department of Economics.

Major: A minimum of twenty-four hours of upper division courses are required of students majoring in economics. These courses should include 305, 313, 325, 402, 404, 405, 408, 413, 425. Two additional closely related courses are recommended. These courses to be selected in consultation with the Chairman or student adviser.

Minor: A minimum of twelve hours of upper division courses are required of a student minoring in economics. These courses should include 313, 325, 402, 405, 408 or 413.

Economics 201-202 is prerequisite to all advanced courses.

A bulletin of departmental information for those majoring and minoring in economics will be available.

Students majoring in economics may concentrate in general economics, labor, finance and banking and may minor in general business, marketing, management and accounting.

PROGRAM III

BACHELOR OF ARTS WITH A MAJOR IN ENGLISH

Freshman Year

FIRST SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
PHL 103 Logic	3
MIL 101 First Year Basic.....	2
PHE 101 Physical Education	1/2
PHE 103 Health	1
ENG 101 English Composition I.....	3
HST 101 Hist. of Civilization	3
Language	3
Mathematics or Science	3-4
ORI 101 Orientation	0

SECOND SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
THL 106 Dogmatic Theology <i>or</i>	
SPE 101 Fund. of Eff. Speak.....	3
MIL 102 First Year Basic.....	2
PHE 102 Phys. Educ. (Women)....	1/2
PHE 104 Health (Women)	1
ENG 102 English Composition II.....	3
HST 102 Hist. of Civilization	3
Language	3
Mathematics or Science	3

Sophomore Year

FIRST SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
PHL 207 Philosophical Psy.	3
MIL 201 Second Year Basic.....	2
PHE 201 Phys. Educ. (Women)....	1/2
ENG 221 English Literature	3
PSY 201 Introd. Psychology	3
HST 251 Amer. Hist. to 1865	3
Language	3
SPE 101 Fund. of Eff. Speak.....	3

SECOND SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
THL 206 Gen. Moral Theology <i>or</i> Elective	3
MIL 202 Second Year Basic.....	2
PHE 202 Phys. Educ. (Women)	1/2
ENG 222 American Literature	3
SOC 201 General Sociology	3
HST 252 Amer. Hist. since 1865 ..	3
Language	3

Junior Year

FIRST SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
PHL 306 Epistemology	3
†ENG 316 Advanced Composition ..	3
‡ENG 411 Renaissance Poetry	3
300-400 Second Minor	3
300-400 Electives	3-6
† or ENG 318, 329, 335, 422	
‡ or ENG 415	

SECOND SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
THL 306 Theol. & Moral Virtues..	3
PHL 402 Gen. Metaphysics	3
*ENG 336 The Victorian Age	3
ENG 428 Literary Criticism	3
300-400 Second Minor	3
300-400 Electives	3-6
* or ENG 331	

Senior Year

FIRST SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
PHL 403 Natural Theology	3
*ENG 423 Tragedies of Shakespeare	3
†ENG 421 Modern Poetry	3
300-400 Second Minor	3
300-400 Electives	3-6
* or ENG 424	
† or ENG 322, 324, 327, 340, 351	

SECOND SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
THL 406 Christology & Sac.....	3
PHL 404 Ethics (Non-Cath.) <i>or</i>	
PHL 406 Hist. of Grk. Phil. (Cath.)	3
‡ENG 426 Modern Drama	3
ENG 440 Seminar	3
300-400 Second Minor	3
300-400 Electives	3-6
‡ or ENG 429, 430	

PROGRAM IV

BACHELOR OF FINE ARTS

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology or	
ENG 101	English Composition I.....	3		Elective	3
ART	At Art Institute.....	10½	ENG 102	English Composition II 3	
			ART	At Art Institute.....	10½
<i>Summer Session</i>					
	ART			At Art Institute.....	5

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theol. or	
ENG 221	English Literature	3		Elective	3
ART	At Art Institute.....	10½	HST 252	Amer. Hist. since 1865.....	3
			ART	At Art Institute.....	10½
<i>Summer Session</i>					
	ART			At Art Institute	5

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology (Cath.)	3	THL 406	Christology & Sac.....	3
PHL 402	Gen. Metaphysics (Non-		PHL 402	Gen. Metaphysics	
	Cath.)	3		(Cath.)	3
PSY 201	Introductory Psych.	3	PHL 404	Ethics (Non-Cath.)	3
ART	At Art Institute.....	9	Soc 201	General Sociology	3
			ART	At Art Institute.....	9
<i>Summer Session</i>					
	ART			At Art Institute.....	5

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
ART	At Art Institute.....	15	ART	At Art Institute.....	15

1. For the degree of Bachelor of Fine Arts, a minimum of 147 hours is required. Of these, 105 hours must be in Art and related courses. Forty-two hours must be in academic subjects according to the curriculum suggested.
2. To complete the required course of studies, it will be necessary to distribute the program over four years and three summer sessions or five years with no summer sessions.

PROGRAM V

BACHELOR OF ARTS WITH A MAJOR IN HISTORY

Freshman Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	103 Logic	3
MIL	101 First Year Basic.....	2
PHE	101 Physical Education	1/2
PHE	103 Health	1
ENG	101 English Composition I.....	3
HST	101 Hist. of Civilization	3
	Language	3
	Mathematics or	
	Science	3-4
ORI	101 Orientation	0

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	106 Dogmatic Theology <i>or</i>	
SPE	101 Fund. of Eff. Speak.....	3
MIL	102 First Year Basic.....	2
PHE	102 Phys. Educ. (Women)	1/2
PHE	104 Health (Women)	1
ENG	102 English Composition II.....	3
HST	102 Hist. of Civilization	3
	Language	3
	Mathematics or	
	Science	3

Sophomore Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	207 Philosophical Psy.	3
MIL	201 Second Year Basic.....	2
PHE	201 Phys. Educ. (Women)	1/2
ENG	221 English Literature	3
PSY	201 Introd. Psychology	3
HST	251 Amer. Hist. to 1865	3
	Language	3
SPE	101 Fund. of Eff. Speak.....	3

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	206 Gen. Moral Theol. <i>or</i>	
	Elective	3
MIL	202 Second Year Basic.....	2
PHE	202 Phys. Educ. (Women)	1/2
ENG	222 American Literature	3
SOC	201 General Sociology	3
HST	252 Amer. Hist. since 1865	3
	Language	3

Junior Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	306 Epistemology	3
HST	301 or 302 or 309	3
HST	351 or 355 or 368 or 449 or 451	3
	300-400 Second Minor	3
	*300-400 Electives	3-6

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	306 Theol. & Moral Virtues..	3
PHL	402 Gen. Metaphysics	3
HST	319 or 340 or 421 or 441	3
HST	364 or 427 or 458 or 468	3
	300-400 Second Minor	3
	*300-400 Electives	3-6

Senior Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	403 Natural Theology	3
HST	401 Pro-Seminar	2
HST	409 or 415 or 424 or 435 or 445	3
HST	351 or 355 or 368 or 449 or 451	3
	300-400 Second Minor	3
	*300-400 Electives	3-6

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	406 Christology & Sac.....	3
PHL	404 Ethics (Non-Cath.) <i>or</i>	
PHL	406 Hist. of Grk. Phil.	
	(Cath.)	3
HST	Elective (Groups I-III) ..	3
HST	364 or 427 or 458 or 468	3
	300-400 Second Minor	3
	*300-400 Electives	6

*The following Electives are recommended: ENG 316, ENG 351

PROGRAM VI

BACHELOR OF ARTS WITH A MAJOR IN JOURNALISM

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology or	
MIL 101	First Year Basic.....	2	SPE 101	Fund. of Eff. Speak.....	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic.....	2
PHE 103	Health	1	PHE 102	Phys. Educ. (Women)	1/2
ENG 101	English Composition I.....	3	PHE 104	Health (Women)	1
HST 101	Hist. of Civilization	3	ENG 102	English Composition II.....	3
	Language	3	HST 102	Hist. of Civilization	3
	Mathematics or			Mathematics or	
	Science	3-4		Science	3
ORI 101	Orientation	0		Language	3

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theol.....	3
MIL 201	Second Year Basic.....	2	MIL 202	Second Year Basic.....	2
PHE 201	Phys. Educ. (Women)	1/2	PHE 202	Phys. Educ. (Women)	1/2
ENG 221	English Literature	3	ENG 222	American Literature	3
PSY 201	Introd. Psychology	3	SOC 201	General Sociology	3
HST 251	Amer. Hist. to 1865	3	HST 252	Amer. Hist. since 1865 ..	3
	Language	3		Language	3
SPE 101	Fund. of Eff. Speak.....	3	JRN 200	Intro. to Journalism	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology	3	THL 306	Theol. & Moral Virtues..	3
JRN 300	News Story Writing	3	PHL 402	Gen. Metaphysics	3
JRN 301	Feature Story Writing	3	JRN 302	Law and Ethics of Press..	3
	300-400 Second Minor	3	JRN 303	Free-Lance Writing	3
	300-400 Electives	3-6		300-400 Second Minor	3
				300-400 Electives	3-6

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 403	Natural Theology	3	THL 406	Christology & Sac.....	3
JRN 400	Editing and Copyreading ..	3	PHL 404	Ethics (Non-Cath.) or	
*300-400	Elective	3	PHL 406	Hist. of Grk. Phil.	
	300-400 Second Minor	3		(Cath.)	3
	Electives	3-6	JRN 401	Editing and Copyreading ..	3
			JRN	300-400 Elective	3
				300-400 Second Minor	3
				Electives	3-6

* See prenote to Journalism under "Courses of Instruction" on page 217.

PROGRAM VII

BACHELOR OF ARTS WITH A MAJOR IN
MATHEMATICS OR MATHEMATICAL STATISTICS*Freshman Year*

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology <i>or</i>	
MIL 101	First Year Basic.....	2	SPE 101	Fund. of Eff. Speak.....	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic.....	2
PHE 103	Health	1	PHE 102	Phys. Educ. (Women)....	1/2
ENG 101	English Composition I....	3	PHE 104	Health (Women)	1
HST 101	Hist. of Civilization	3	HST 102	Hist. of Civilization	3
	Language	3		Language	3
ORI 101	Orientation	0	MTH 216	Analytic Geometry	
MTH 117	College Algebra & Trig...5			& Calculus I	5

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theol. <i>or</i>	
MIL 201	Second Year Basic.....	2		Elective	3
PHE 201	Phys. Educ. (Women)	1/2	MIL 202	Second Year Basic.....	2
ENG 318	Creative Writing	3	PHE 202	Phys. Educ. (Women)	1/2
	Language	3	ENG 222	American Literature	3
¹ Eco 201	Prin. of Economics.....	3		Language	3
MTH 217	Anal. Geometry &		¹ Eco 202	Prin. of Economics	3
	Calculus II	4	MTH 218	Anal. Geometry &	
				Calculus III	4

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology	3	THL 306	Theol. & Moral Virtues..	3
MTH 301	Differential Equations	3	PHL 402	Gen. Metaphysics	3
² MTH 417	Numerical Analysis	3	² MTH 415	Linear Programming and	
¹ Eco 404	Business Cycles	3		Game Theory	3
PSY 201	Introd. Psychology	3	¹ Eco 413	Economic Analysis	3
			SOC 201	General Sociology	3
			MTH 361	Int. to Abst. Algebra.....	3

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 403	Natural Theology	3	THL 406	Christology & Sac.	3
MTH 421	Advanced Calculus	3	PHL 404	Ethics (Non-Cath.) <i>or</i>	
² MTH 411	Probability, Statistics I....	3	PHL 406	Hist. of Grk. Phil.	
¹ Eco 408	Contemporary Economics 3			(Cath.)	3
HST 251	Amer. Hist. to 1865	3	MTH 422	Advanced Calculus	3
			² MTH 412	Probability, Statistics II..	3
			¹ Eco 300-400	Economics	3
			HST 252	Amer. Hist. since 1865 ..	3

The above program is for a major in Mathematical Statistics. For a major in Mathematics,

1. A minor other than Economics is allowed;

2. Other advanced Mathematics courses are allowed. The Chairman of the Department should be consulted.

PROGRAM VIII

BACHELOR OF ARTS WITH A MAJOR IN MUSIC

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology or	
MIL 101	First Year Basic	2	SPE 101	Fund. of Eff. Speak.	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic	2
PHE 103	Health	1	PHE 102	Physical Education (W) ..	1/2
ENG 101	English Composition I....	3	PHE 104	Health (Women)	1
	Language	3	ENG 102	English Composition II....	3
	Math. or Science	3-4		Language	3
MUS 151	First Year Theory	4		Math. or Science	3-4
			MUS 152	First Year Theory	4

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theol.	3
MIL 201	Second Year Basic	2	MIL 202	Second Year Basic	2
PHE 201	Physical Education (W) ..	1/2	PHE 202	Physical Education (W) ..	1/2
ENG 221	English Literature	3	MUS 105	Music Appreciation	2
HST 101	History of Civilization ..	3	HST 102	History of Civilization ..	3
MUS 251	Second Year Theory	4	MUS 252	Second Year Theory	4
SPE 101	Fund. of Eff. Speaking ..	3	MUS	Applied Music	2
			SOC 201	General Sociology	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology	3	THL 306	Theol. & Moral Virtues ..	3
MUS 301	History of Music	3	PHL 402	Gen. Metaphysics	3
MUS	Applied Music	2	MUS 302	History of Music	3
PSY 201	Introductory Psychology ..	3	MUS	Applied Music	2
HST 251	Amer. History to 1865....	3	MUS	Elective	2-4
	Second Minor	3	HST 252	Amer. Hist. since 1865 ..	3
				Second Minor	3

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 403	Natural Theology	3	THL 406	Christology & Sac.	3
MUS	(300-400 course or		PHL 404	Ethics (Non-Cath.) or	
	Applied Music)	3-5	PHL 406	Hist. of Grk. Phil.	
	Second Minor	3		(Cath.)	3
300-400	Electives	3-6	MUS	(300-400 course or	
				Applied Music)	3-5
				Second Minor	3
				300-400 Electives	3-6

Electives must be selected from 300-400 courses.

Up to four credit hours in ensemble music may be earned by participation in recognized University musical organizations, Glee Club, Choir, Band, and Orchestra. One-half credit hour for each semester of participation is allowed.

* "See page 250 'Ensembles'."

PROGRAM IX

BACHELOR OF MUSIC

ACADEMIC

English	9 credit hours
Speech	3 credit hours
History and/or Social Science	6 credit hours
Psychology	3 credit hours
Philosophy (100-200 courses)	6 credit hours
Philosophy (300-400 courses) (Cath. Students).....	6 credit hours
Philosophy (300-400 courses) (Non-Cath. Students)	12 credit hours
Theology (100-200 courses)	6 credit hours
Theology (300-400 courses)	6 credit hours
Electives (to include requirements in Military Science and Physical Education)	6-12 credit hours
Total	47-52 credit hours

MUSICAL

Major (Piano, Organ, Violin, Voice, Theory)	20-24 credit hours
Minor (Piano, Voice, Theory, Band or Orchestra Instrument)	12 credit hours
*Theory	16 credit hours
History, Literature, Appreciation.....	10 credit hours
Conducting, Instrumentation, Orchestration	8 credit hours
Ensemble (Choir, Glee Club, Orchestra, Band)	2-6 credit hours
Total	67-75 credit hours

ELECTIVES (Academic or Musical) to total of 128 credit hours

* Theory courses above 100 level may be counted toward major or minor in Theory.

Students majoring in Voice, Violin, Theory will be required to use Piano as a minor or demonstrate ability to play the piano at a level satisfactory to the Department.

Voice majors may be required to take modern languages as a part of academic electives.

PROGRAM X

BACHELOR OF ARTS WITH A MAJOR IN PHILOSOPHY

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology or	
MIL 101	First Year Basic	2	SPE 101	Fund. of Eff. Speak.	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic	2
PHE 103	Health	1	PHE 102	Phys. Educ. (Women) ..	1/2
ENG 101	English Composition I....	3	PHE 104	Health (Women)	1
HST 101	Hist. of Civilization	3	ENG 102	English Composition II....	3
	Language	3	HST 102	Hist. of Civilization	3
	Mathematics or			Language	3
	Science	3-4		Mathematics or	
ORI 101	Orientation	0		Science	3

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theol. or	
MIL 201	Second Year Basic	2		Elective	3
PHE 201	Phys. Educ. (Women)	1/2	MIL 202	Second Year Basic	2
ENG 221	English Literature	3	PHE 202	Phys. Educ. (Women)	1/2
PSY 201	Introd. Psychology	3	ENG 222	American Literature	3
HST 251	Amer. Hist. to 1865	3	SOC 201	General Sociology	3
	Language	3	HST 252	Amer. Hist. since 1865....	3
SPE 101	Fund. of Eff. Speak.	3		Language	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 303	Cosmology	3	THL 306	Theol. & Moral Virtues ..	3
PHL 306	Epistemology	3	PHL 404	Ethics	3
300-400	First Minor	3	PHL 402	Gen. Metaphysics	3
300-400	Second Minor	3	300-400	First Minor	3
300-400	Electives	3-6	300-400	Second Minor	3
			300-400	Electives	3-6

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 403	Natural Theology	3	THL 406	Christology & Sac.	3
PHL 300-400	Elective	3	PHL 406	Hist. of Grk. Phil.	3
300-400	First Minor	3	PHL 434	St. Thomas Aquinas	3
300-400	Second Minor	3	300-400	First Minor	3
300-400	Electives	3-6	300-400	Second Minor	3
			300-400	Electives	3-6

PROGRAM XI

BACHELOR OF ARTS WITH A MAJOR IN
POLITICAL SCIENCE*Freshman Year*

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	103 Logic	3
MIL	101 First Year Basic	2
PHE	101 Physical Education	1/2
PHE	103 Health	1
ENG	101 English Composition I.....	3
HST	101 Hist. of Civilization	3
	Language	3
	Mathematics or Science	3-4
ORI	101 Orientation	0

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	106 Dogmatic Theology <i>or</i>	
SPE	101 Fund. of Eff. Speak.	3
MIL	102 First Year Basic	2
PHE	102 Phys. Educ. (Women)....	1/2
PHE	104 Health (Women)	1
ENG	102 English Composition II....	3
HST	102 Hist. of Civilization.....	3
	Language	3
	Mathematics or Science	3

Sophomore Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	207 Philosophical Psy.	3
MIL	201 Second Year Basic	2
PHE	201 Phys. Educ. (Women)....	1/2
ENG	221 English Literature	3
PSY	201 Introd. Psychology	3
HST	251 Amer. Hist. to 1865.....	3
	Language	3
SPE	101 Fund. of Eff. Speak.	3

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	206 Gen. Moral Theol.	3
MIL	202 Second Year Basic	2
PHE	202 Phys. Educ. (Women)....	1/2
ENG	222 American Literature	3
SOC	201 General Sociology	3
HST	252 Amer. Hist. since 1865....	3
	Language	3
POL	201 American Government	3

Junior Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	306 Epistemology	3
POL	302 Ohio Government	3
POL	314 Internat'l Relations	3
POL	300-400 Elective	3
	300-400 Second Minor	3
	300-400 Electives	3

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	306 Theol. & Moral Virtues ..	3
PHL	402 Gen. Metaphysics	3
POL	300-400 Elective	3
	300-400 Second Minor	3
	300-400 Electives	3-6

Senior Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	403 Natural Theology	3
PHL	410 Hist. of Pol. Philosophy ..	3
POL	421 Government Seminar	3
	300-400 Second Minor	3
	300-400 Electives	3-6

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
THL	406 Christology & Sac.	3
PHL	404 Ethics (Non-Cath.) <i>or</i> ..	
PHL	406 Hist. of Grk. Phil.	
	(Cath.)	3
POL	412 Constitutional Law	3
POL	300-400 Elective	3
	300-400 Second Minor	3
	300-400 Electives	3-6

PROGRAM XII

BACHELOR OF ARTS WITH A MAJOR IN PSYCHOLOGY

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology <i>or</i>	
MIL 101	First Year Basic	2	SPE 101	Fund. of Eff. Speak.	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic	2
PHE 103	Health	1	PHE 102	Phys. Educ. (Women)	1/2
ENG 101	English Composition I	3	PHE 104	Health (Women)	1
HST 101	Hist. of Civilization	3	ENG 102	English Composition II	3
	Language	3	HST 102	Hist. of Civilization	3
BIO †101	General Biology I	4		Language	3
ORI 101	Orientation	0	BIO †102	General Biology II	4

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theology	3
MIL 201	Second Year Basic	2	MIL 202	Second Year Basic	2
PHE 201	Phys. Educ. (Women)	1/2	PHE 202	Phys. Educ. (Women)	1/2
PSY *204	General Psychology	3	ENG 222	American Literature	3
HST 251	Amer. Hist. to 1865	3	HST 252	Amer. Hist. since 1865	3
	Language	3		Language	3
SPE 101	Fund. of Eff. Speak.	3	PSY 302	Elementary Statistics	3
MTH †121	College Algebra	3	BIO 207	Human Anatomy	3
*PSY 201	accepted as alternate if followed by Psy 300				

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology	3	THL 306	Theol. & Moral Virtues 3	
PSY 305	Mental Hygiene	3	PHL 402	Gen. Metaphysics	3
PSY 308	Exper. Psychology I	3	PSY 309	Experimental Psych. II ...	3
PSY †491	Readings in Psychology ..	1	PSY *454	Physiological Psych.	3
	300-400 Second Minor	3	PSY 408	Social Psychology	3
ENG 221	English Literature	3	PSY †492	Readings in Psychology ..	1
				300-400 Second Minor	3
				300-400 Elective	3
				*Recommended but not required unless Second Minor is Biology	

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 403	Natural Theology	3	THL 406	Christology & Sac.	3
PSY 315	Personality	3	PHL 404	Ethics (Non-Cath.) <i>or</i>	
PSY 402	Psych. Tests & Meas.	3	PHL 406	Hist. of Grk. Phil. (Cath.)	3
PSY †490	Spec. Prob. in Psychology 2		PSY 409	Hst. of Psychology	3
	300-400 Second Minor	3	PSY 412	Inter. & Counseling	3
	300-400 Electives	6	PSY 480	Seminar	1
				300-400 Second Minor	3
				300-400 Electives	6

†Recommended, but not required

† BIO 101-102 may be replaced by BIO 113 or CHM 110

PROGRAM XIII

BACHELOR OF ARTS WITH A MAJOR IN SOCIOLOGY

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology <i>or</i>	
MIL 101	First Year Basic	2	SPE 101	Fund of Eff. Speak.	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic	2
PHE 103	Health	1	PHE 102	Phys. Educ. (Women)....	1/2
ENG 101	English Composition I....	3	PHE 104	Health (Women)	1
HST 101	Hist. of Civilization.....	3	ENG 102	English Composition II....	3
	Language	3	HST 102	Hist. of Civilization.....	3
	Mathematics or Science....	3-4		Language	3
ORI 101	Orientation	0		Mathematics or Science....	3

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theol.	3
MIL 201	Second Year Basic	2	MIL 202	Second Year Basic	2
PHE 201	Phys. Educ. (Women)....	1/2	PHE 202	Phys. Educ. (Women)....	1/2
ENG 221	English Literature	3	ENG 222	American Literature	3
PSY 201	Introd. Psychology	3	SOC 201	General Sociology	3
HST 251	Amer. Hist. to 1865.....	3	HST 252	Amer. Hist. since 1865....	3
	Language	3		Language	3
SPE 101	Fund. of Eff. Speak.	3	SOC 202	Social Problems	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology	3	THL 306	Theol. & Moral Virtues ..	3
Soc 300-400	Elective	3	PHL 402	Gen. Metaphysics	3
Soc 300-400	Elective	3	Soc 300-400	Elective	3
300-400	Second Minor	3	Soc 300-400	Elective	3
300-400	Electives	3-6	300-400	Elective	3
			300-400	Second Minor	3-6

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 403	Natural Theology	3	THL 406	Christology & Sac.	3
Soc 300-400	Elective	3	PHL 404	Ethics (Non-Cath.) <i>or</i>	
Soc 401	Soc. Research and		PHL 406	Hist. of Grk. Phil.	
	Soc. Stat.	3		(Cath.)	3
Soc 300-400	Elective	3	Soc 414	Seminar	3
300-400	Second Minor	3	Soc 300-400	Elective	3
300-400	Elective	3	300-400	Second Minor	3
			300-400	Electives	6

PROGRAM XIV

BACHELOR OF ARTS WITH A MAJOR IN SPEECH

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL	103	Logic .....3	THL	106	Dogmatic Theology <i>or</i>
MIL	101	First Year Basic .....2	SPE	101	Fund. of Eff. Speak. ....3
PHE	101	Physical Education 1/2	MIL	102	First Year Basic .....2
PHE	103	Health .....1	PHE	102	Phys. Educ. (Women) 1/2
ENG	101	English Composition I.....3	PHE	104	Health (Women) .....1
HST	101	Hist. of Civilization.....3	ENG	102	English Composition II.....3
		Language .....3	HST	102	Hist. of Civilization.....3
		Mathematics or Science.....3-4			Language .....3
ORI	101	Orientation .....0			Mathematics or Science.....3

Sophomore Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>			<i>Cr. Hours</i>	<i>Subjects</i>			<i>Cr. Hours</i>
PHL	207	Philosophical Psy.	.....3	THL	206	Gen. Moral Theol.	.....3
MIL	201	Second Year Basic	.....2	MIL	202	Second Year Basic	.....2
PHE	201	Phys. Educ. (Women)	.... 1/2	PHE	202	Phys. Educ. (Women)	.... 1/2
ENG	221	English Literature	.....3	ENG	222	American Literature	.....3
PSY	201	Introd. Psychology	.....3	SOC	201	General Sociology	.....3
HST	251	Amer. Hist. to 1865	.....3	HST	252	Amer. Hist. since 1865	.....3
		Language	.....3			Language	.....3
SPE	101	Fund. of Eff. Speak.	.....3	SPE	300	Voice and Diction	.....3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL	306 Epistemology	3	THL	306 Theol. & Moral Virtues ..	3
†SPE	201 Public Speaking I	3	PHL	402 Gen. Metaphysics	3
‡SPE	302 Argumentation and		*SPE	307 Conference and Dis.	3
	Debate	3	SPE	301 Speech Composition	3
	300-400 Second Minor	3		300-400 Second Minor	3
	300-400 Elective	3-6		300-400 Elective	3-6
†or SPE	306, 313		*or SPE	309, 310, 324	
‡or SPE	204				

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL	403 Natural Theology	3	THL	406 Christology & Sac.	3
†SPE	401 Public Speaking II.....	3	PHL	404 Ethics (Non-Cath.) <i>or</i>	
*SPE	409 Television Production	3	PHL	406 Hist. of Grk. Phil.	
	300-400 Second Minor	3		(Cath.)	3
	300-400 Elective	3-6	†SPE	424 Play Directing	3
†or SPE	320		SPE	430 Seminar in Speech Arts....	3
*or SPE	414, 415			300-400 Second Minor	3
				300-400 Elective	3-6
			†or SPE	316, 425	

PROGRAM XV

BACHELOR OF ARTS WITH A MAJOR IN THEOLOGY

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 103	Logic	3	THL 106	Dogmatic Theology or	
MIL 101	First Year Basic	2	SPE 101	Fund. of Eff. Speak.	3
PHE 101	Physical Education	1/2	MIL 102	First Year Basic	2
PHE 103	Health	1	PHE 102	Phys. Educ. (Women)....	1/2
ENG 101	English Composition I	3	PHE 104	Health (Women)	1
HST 101	Hist. of Civilization	3	ENG 102	English Composition II ..	3
	Language	3	HST 102	Hist. of Civilization	3
	Mathematics or Science..	3-4		Language	3
ORI 101	Orientation	0	(1)	Mathematics or Science..	3-4

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 207	Philosophical Psy.	3	THL 206	Gen. Moral Theology or	
MIL 201	Second Year Basic	2		Elective	3
PHE 201	Phys. Educ. (Women)....	1/2	MIL 202	Second Year Basic	2
ENG 221	English Literature	3	PHE 202	Phys. Educ. (Women)....	1/2
PSY 201	Introd. Psychology	3	ENG 222	American Literature	3
HST 251	Amer. Hist. to 1865.....	3	SOC 201	General Sociology	3
	Language	3	HST 252	Amer. Hist. since 1865....	3
SPE 101	Fund. of Eff. Speak.	3		Language	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
PHL 306	Epistemology	3	THL 306	Theol. & Moral Virtues ..	3
	300-400 Second Minor	3	PHL 402	Gen. Metaphysics	3
*	Electives in Major:			300-400 Second Minor	3
THL 368	Pius XII: Mystical Body 3		*	Electives in Major:	
THL 342	Survey of Mariology I	3	THL 467	Theology of the Liturgy 3	
THL 471	Social Doc. of Pius XI ..	3	THL 473	Atheistic Communism	3
	300-400 Electives	3-6		300-400 Electives	3-6

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
THL 406	Christology & Sac.	3	THL 406	Christology & Sac.	3
PHL 403	Natural Theology	3	PHL 406	Hist. of Grk. Phil.	3
	300-400 Second Minor	3		300-400 Second Minor	3
*	Electives in Major:		*	Electives in Major:	
THL 366	Christian Con. of Mar.	3	THL 386	Theol. of Lay Apostolate 3	
THL 444	Survey of Mariology II	3	THL 450	New Testament Prob.	3
THL 351	Old Testament Prob.	3		300-400 Electives	3-6
	300-400 Electives	3-6			

*One course to be chosen each semester from each group.

PROGRAM XVI

CAREY

Freshman Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
THL 105	Dogmatic Theology	.....2		THL 106	Moral Theology	.....2	
ENG 101	English Composition I	.....3		ENG 102	English Composition II	.....3	
LAT 101	Elementary Latin	.....3		LAT 102	Elementary Latin	.....3	
HST 101	Hist. of Civiliz.	.....3		HST 102	Hist. of Civiliz.	.....3	
SOC 201	General Sociology	.....3		PSY 204	General Psychology	.....3	
FRE 101	Elementary French	.....3		FRE 102	Elementary French	.....3	
SPE 201	Speaking Technique	.....2		SPE 202	Interpret. Reading	.....2	
Summer Session at U of D or Carey							
Mathematics			.....4	or	Natural Science		.....4

Sophomore Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
THL 115	Life of Christ	.....2		THL 116	Life of Christ	.....2	
ENG 221	Eng. Literature	.....3		ENG 222	Amer. Literature	.....3	
LAT 412	Eccles. Latin	.....3		LAT 414	Patristic Latin	.....3	
HST 251	American History	.....3		HST 252	American History	.....3	
EDU 203	Educ. Psychology	.....3		EDU 318	Mental Hygiene	.....3	
PHL 311	Logic	.....3		PHL 306	Epistemology	.....3	
FRE 201	Intermed. French	.....3		FRE 202	Intermed. French	.....3	
Summer Session at U of D or Carey							
Mathematics			.....3	Natural Science			.....2

Junior Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
PHL 307	Phil. of Nature	.....5		PHL 304	Philosophy of Man	.....4	
PHL 406	Hist. of Greek Phil.	.....3		PHL 407	Hist. Medieval Phil.	.....3	
HST 361	Hist. of Relig. Orders	.....3		HST 325	Franciscan History	.....3	
ENG 419	Newman	.....3		ENG 423	Trag. of Shakespeare	.....3	
EDU 311	Secondary Educ.	.....3		EDU 308	Techniques of Teach.	.....3	
MUS 245	Gregorian Chant	.....1		MUS 246	Gregorian Chant	.....1	
Summer Session at U of D or Carey							
Education, Methods			.....3	Political Science			.....3

Senior Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
PHL 421	Metaphysics I	.....3		PHL 422	Metaphysics II	.....3	
PHL 404	Ethics	.....3		PHL 441	Seminar in Phil.	.....2	
PHL 418	Hist. of Modern Phil.	.....3		PHL 419	Hist. Contemp. Phil.	.....3	
HST 302	Renaissance, Reform	.....3		HST 303	Expansion of Europe	.....3	
ENG 428	Literary Criticism	.....3		ENG 316	Adv. Composition	.....3	
SOC 308	Anthropology	.....3		SOC 404	Social Institutions	.....3	
MUS 247	Gregorian Chant	.....1		MUS 248	Gregorian Chant	.....1	
Summer Session at U of D or Carey							
Education			.....3	Science			.....3

PROGRAM XVII

*CARTHAGENA

Freshman Year

ST. JOSEPH'S COLLEGE

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
ENG	21 Intro. to Lit. Studies	3
GRK	1 Elem. of New Testament	3
LAT	5 Cicero	3
LAT	7 Latin Composition I	1
REL	11 The Sacred Liturgy	3
MTH	11 Fund. Math. & Alge. or	3
BIO	5 Principles of Biology	3

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
ENG	22 The English Language	3
GRK	2 Elem. of New Testament	3
HUM	25 Music Art Forms or	4
HUM	27 Art: His. & Appreciation	4
LAT	6 Horace	3
LAT	8 Latin Composition I	1
MTH	12 Trigonometry & Analytical Geometry or	3
MTH	5 Algebraic Structure & the Number System	3

Sophomore Year

ST. JOSEPH'S COLLEGE

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
GRK	21 The Greek New Testa.	3
HUM	23 World Literature	2
LAT	21 Livy	3
LAT	25 Latin Composition II	1
REL	21 Christ in the Scriptures ..	3
SPE	15 Fundamentals of Speech ..	2
Electives	Elec. in Teach. Area	3

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
ECO	28 Elements of Economics ..	3
HUM	24 World Literature	2
LAT	22 Latin Hymns and Ecclesiastical Writers	3
LAT	26 Latin Composition II	1
PHL	12 Logic	3
Electives	Elec. in Teaching Area	6

Junior Year

CARTHAGENA

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	307 Philosophy of Nature	5
PHL	416 Hist. of Anc. Philosophy	2
HST	313 Hist. of Chris. Antiquity	3
PSY	204 General Psychology	3
EDU	208 The Learning Process	3
SPE	303 Adv. Interpretative Read.	2

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	304 Philosophy of Man	4
PHL	417 Hist. of Med. Philosophy	4
PHL	433 Introduction to St. Thomas Aquinas	1
HST	301 Medieval Europe	3
HST	470 The Catholic Church in the U. S.	2
Soc	404 Social Institutions	3

Senior Year

CARTHAGENA

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	421 Metaphysics I	3
PHL	422 Metaphysics II	3
PHL	418 Hist. of Mod. Philosophy	3
HST	302 Renais. & Reformation	3
PSY	305 Mental Hygiene	3
EDU	412 Meas. in Education	3

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
PHL	423 Metaphysics of Knowl.	3
PHL	424 Prob. of Metaphysics	3
PHL	425 Social Philosophy	3
PHL	419 History of Contemporary Philosophy	3
HST	431 Modern Church History ..	3
SPE	401 Adv. Public Speaking	2

* The description of these courses can be found in the Catalog of St. Charles Seminary, Carthagen, Ohio, 1957-1958.

PROGRAM XVIII
MARIANIST COLLEGE

Novitiate Year

MARCY

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
MUS 245	Gregorian Chant	2	MUS 246	Gregorian Chant II	2
THL 160	Int. to Sp. Theology	3	THL 161	Int. to Sp. Theology	3
THL 162	Liturgical Theology 2 (or 3)		THL 341	General Mariology I	3
			ENG 101	English Composition	3

Freshman Year

MOUNT ST. JOHN

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
ENG 102	English Composition	3	ENG 221	English Literature	3
HST 101	History of Civilization	3	HST 102	History of Civilization	3
PHL 103	Logic	3	PHL 207	Phil. Psychology	3
THL 107	Int. to Dog. Theol. I.....	3	THL 108	Int. to Dog. Theol. II.....	3
	(2 of the following 4)			(2 of the following 4)	
PSY 204	General Psychology	3	EDU 207	Growth & Development	3
FRN 101	Elementary French	3	FRN 102	Elementary French	3
GER 101	Elementary German	3	GER 102	Elementary German	3
LAT 307	Readings in Latin Lit.	3	LAT 301	Latin Composition	3
MTH 117	College Algebra & Trig. 5		MTH 216	Anal. Geom. & Calculus 5	

Other Courses Offered at Marianist College

<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
ART 101	Drawing	2	GRK 306	New Test. Greek	3
ART 103	Intro. Painting I	2	LAT 304	Vergil	3
ART 104	Intro. Painting II	2	LAT 306	Horace	3
ART 201	Prin. of Design I	2	LAT 309	Cicero	3
ART 202	Prin. of Design II	2	LAT 413	Conf. of St. Aug.	3
ART 205	Graphic Arts	3	THL 190	The Christian & Crisis....	3
ART 207	Com. Art & Lettering	3	THL 290	The Mission of Church....	3
ART 407	Art in the Schools	2	THL 307	Int. to Theol. & Moral Virtues I.....	3
GRK 101	Elementary Greek	3	THL 308	Int. to Theol. & Moral Virtues II.....	3
GRK 102	Elementary Greek	3	THL 390	Mission of the S.M.	3
GRK 201	Intermediate Greek	3	THL 407	Christology	3
			THL 408	The Sacraments	3
			THL 444	Survey of Mariology	3
			THL 450	New Testament Prob.	3
			THL 490	Tech. of Marian. Sodal....	3

BACHELOR OF SCIENCE PROGRAMS

PROGRAM I

BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGY

FIRST SEMESTER <i>Freshman Year</i>				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
BIO	101	Gen. Biology	4	BIO	102	Gen. Biology	4
CHM	123	Gen. Chemistry	4	CHM	124	Gen. Chemistry	4
ENG	101	English Composition I	3	ENG	102	Eng. Composition II	3
MTH	121	College Algebra	3	MTH	122	College Trig.	3
MIL	101	First Year Basic	2	MIL	102	First Year Basic	2
ORI		Orientation	0	PHL	103	Logic	3
PHE	101	Physical Education	1/2				
THL	106	Dogmatic Theology	3				
		or					
SPE	101	Fund. of Eff. Speaking*	3				

FIRST SEMESTER <i>Sophomore Year</i>				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
BIO	209	Comparative Anatomy	5	CHM	301	Quantitative Anal. (3)	4
ENG	220	Int. to Literature	3	GER	102	Elementary German	3
GER	101	Elementary German	3	MIL	202	Second Year Basic	2
MIL	201	Second Year Basic	2	PHL	207	Philosophical Psych.	3
PHY	201	General Physics (1)	4	PHY	202	General Physics (1)	4
THL	206	Gen. Moral Theology	3			Elective	3
		or					
		Elective(*)	3				

FIRST SEMESTER <i>Junior Year</i>				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
BIO	312	General Genetics	4	BIO	303	Physiology	4
BIO		Elective	3-4	BIO		Elective	3-4
CHM	313	Organic Chemistry (4)	4	CHM	314	Organic Chem. (4)	4
THL	306	Theol. & Moral Virtues	3	PHL	402	General Metaphysics	3
		or				Elective	3
PHL	404	Ethics(*)	3				
SPE	101	Fund. of Eff. Speak.	3				
		or					
		Elective	3				

FIRST SEMESTER <i>Senior Year</i>				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
BIO	407	Embryology	5	BIO	420	Seminar	1
BIO		Elective	3-4	BIO		Elective	5-6
THL	406	Christology, Sacraments	3	PHL	306	Epistemology	3
		or				Elective	3-6
PHL	403	Natural Theology	3				
		Elective	3				

Biology majors desiring a more rigorous training in Mathematics and the Physical Sciences as a preparation for work toward advanced degrees in the fields of Biochemistry, Biophysics, Physiology etc., should elect the alternate courses indicated in the Program.

(*) For Non-Catholics

(1) May substitute PHY 206, 2-7, 2-8 for PHY 201, 202

(2) For those who have not had SPE 101 in the freshman year

(3) May substitute CHM 303, 304 for CHM 301

(4) May substitute CHM 315, 316 for CHM 313, 314

PROGRAM II

BACHELOR OF SCIENCE WITH A MAJOR IN CHEMISTRY

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
CHM 123	Gen. Chemistry	4	CHM 124	Gen. Chemistry	3
ENG 101	English Composition I	3	CHM 126	Gen. Chem. Lab.	2
MTH 117	College Algebra & Trig.	5	ENG 102	Eng. Composition II	3
MIL 101	First Year Basic	2	MTH 216	Analytic Geom. & Calc. 1	5
ORI	Orientation	0	MIL 102	First Year Basic	2
THL 106	Dogmatic Theology	3	PHL 103	Logic	3
	or				
SPE 101	Fund. of Eff. Speak. (*)	3			
PHE 101	Physical Education	1/2			
PHE 103	Health	1			

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
CHM 215	Quantitative Analysis 1	4	CHM 216	Quantitative Anal. 2	4
GER 101	Elementary German (1)	3	GER 102	Elementary German (1)	3
MTH 217	Analytic Geom. & Calc. 2	4	MTH 218	Analytic Geom. & Calc. 3	4
MIL 201	Second Year Basic	2	MIL 202	Second Year Basic	2
THL 206	Gen. Moral Theol.	3	PHY 207	Electricity & Magnet	4
PHY 206	Mechanics & Sound	4	PHL 207	Phil. Psych.	3

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
CHM 303	Physical Chemistry	4	CHM 304	Physical Chemistry	4
CHM 315	Organic (4)	5	CHM 316	Organic (4)	5
GER 307	Chemical German	3	CHM 307	Chemical Literature	1
PHY 208	Heat & Light	4	ENG	Advanced Course	3
THL 306	Theol. & Moral Virtues	3	SPE 101	Fund. of Eff. Speaking	3
	or		PHL 402	Gen. Metaphysics	3
PHL 404	Ethics(*)	3			

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
CHM 405	Qual. Organic Anal.	3	ENG	Advanced Course	3
CHM	Elective (2)	3	CHM† 498	Seminar	2
THL 406	Christology, Sacraments	3	CHM	Elective	3
	or		PHL 306	Epistemology	3
PHL 403	Natural Theology(*)	3		Elective (3)	6
	Electives (3)	3-6			

†CHM Seminar2 credit hours. Required of all Chemistry majors. Two meetings are held each week. Second Semester, Each Year.

- (*) For Non-Catholics
 (1) GER 201-202 may be substituted
 (2) Chemistry Electives
 408 Laboratory Techniques ..1
 412 Intermediate Organic3
 417 Inorganic Chemistry3
 499 Research3
 (4) CHM 313-314 may be substituted
 with permission of Chairman of
 Department.
- (3) General Electives
 SOC 201 General Sociology3
 SOC 202 Social Problems3
 POL 201 American Government3
 ACC 203 Survey of Accounting3
 BUS 315 Prin. of Management3
 ACC 310 Cost Analysis3
 MTH 301 Differential Equations3

PROGRAM III

BACHELOR OF SCIENCE WITH A MAJOR IN GEOLOGY

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
ENG	101	English Composition I .....3	ENG	102	Eng. Composition II.....3
GEO	115	Physical Geology .....4	GEO	116	Historical Geology .....4
MTH	117	College Algebra & Trig. 5	MTH	216	Analytic Geom. &
MIL	101	First Year Basic .....2			Calc. 1 (1) .....5
PHE	101	Physical Education 1/2	MIL	102	First Year Basic .....2
THL	106	Dogmatic Theology .....3	PHE	103	Health .....1
		or	PHL	103	Logic .....3
SPE	101	Fund. of Eff. Speak.* .....3			
ORI		Orientation0			

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
CHM	123	Gen. Chemistry .....4	CHM	124	Gen. Chemistry .....4
GEO	201	Mineralogy .....4	GEO	204	Optical Mineralogy .....4
MIL	201	Second Year Basic .....2	MIL	202	Second Year Basic .....2
THL	206	Gen. Moral Theol. ....3	PHY	202	Gen. Physics (2) .....4
		or	PHL	207	Phil. Psych. ....3
		Elective (*)3			Modern Language .....3
PHY	201	Gen. Physics (2) .....4			
		Modern Language3			

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
GEO	301	Structural Geology .....4	CIE	211	Surveying .....2
GEO		Advanced .....4	GEO	310	Stratigraphy .....4
THL	306	Theol. & Moral Virtues ..3	GEO		Advanced .....4
		or	PHL	402	Gen. Metaphysics .....3
PHL	404	Ethics(*) .....3			Elective (4) .....3
SPE	101	Fund. of Eff. Speak. ....3			
		Elective (3)3			

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
GEO	Advanced Course	.....4	GEO	Advanced Course	.....4
GEO	Advanced Course	.....4	GEO	Advanced Course	.....4
THL	406 Christology, Sacraments	...3	PHL	306 Epistemology	.....3
	or			Elective (5)	.....3
PHL	403 Natural Theology	.....3			
	Elective (5)	.....3			

* For Non-Catholics.

- (1) MTH 216 may be replaced by electives with permission of Chairman of Department.
- (2) PHY 206, 207, 208 may replace PHY 201-202 if MTH 217, 218, is also taken in sequence.
- (3) CHM 215, 301 or advanced mathematics recommended. Bio 102 or Humanities course permitted in some cases.
- (4) CHM 216, 302 or advanced mathematics recommended. Bio 102 or Humanities course permitted in some cases.
- (5) Advanced courses in the physical sciences recommended. Humanities course permitted in some cases.

PROGRAM IV

BACHELOR OF SCIENCE WITH A MAJOR IN MATHEMATICS
OR MATHEMATICAL STATISTICS*Freshman Year*

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
CHM	123 Gen. Chemistry	.....4	CHM	124 Gen. Chemistry	.....4
ENG	101 English Composition I	....3	ENG	102 Eng. Composition II	....3
MTH	117 College Algebra & Trig.	5	MTH	216 Analytic Geom. &	
MIL	101 First Year Basic	.....2		Calc. 1	.....5
ORI	Orientation	.....0	MIL	102 First Year Basic	.....2
PHE	101 Physical Education	..... 1/2	PHY	206 Mechanics & Sound	.....4
PHE	103 Health	.....1	PHL	103 Logic	.....3
THL	106 Dogmatic Theology	.....3			
	or				
SPE	101 Fund. of Eff. Speak.*	....3			

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
GER	101 Elementary German	.....3	GER	102 Elementary German	.....3
MTH	217 Analytic Geom. &		MTH	218 Analytic Geom. &	
	Calc. 2	.....4		Calc. 3	.....4
MIL	201 Second Year Basic	.....2	MIL	202 Second Year Basic	.....2
THL	206 Gen. Moral Theol.	.....3	PHY	208 Heat & Light	.....4
PHY	207 Electricity & Magnet	.....4	PHL	207 Phil. Psych.	.....3
	Elective (Eco 201)	.....3	SPE	101 Fund. Effective Speak.	....3
				Elective(*)	.....3

Junior Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
MTH	301	Differential Equations	.....3	MTH	361	Int. to Abstract Algebra	.....3
MTH	421	Advanced Calc.	.....3	MTH	422	Advanced Calc.	.....3
THL	306	Theol. & Moral Virtues	.....3	PHY		Advanced Course	.....3
		or		PHL	402	Gen. Metaphysics	.....3
PHL	404	Ethics(*)	.....3				
PHY		Advanced Course	.....3				
		Elective	.....3				

Senior Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
MTH	432	Fourier Series (1)	.....3	GER	305	Scientific German	.....3
MTH	461	Complex Variables (3)	.....3	MTH	471	Topology (3)	.....3
THL	406	Christology & Sacram	.....3	PHY		Advanced Course	.....3
		or		PHL	306	Epistemology	.....3
PHL	403	Natural Theology (*)	.....3	MTH		Elective	.....3
ENG		Advanced Course	.....3				
PHY		Advanced Course	.....3				

(*) For Non-Catholics

(1) MTH 417 may be substituted

(2) MTH 415 may be substituted

(3) MTH 411-412 may be substituted for MTH 461 and 471

Philosophy, Economics or Chemistry may be chosen as a minor, instead of Physics. However, a year of Chemistry and three semesters of Physics are required, regardless of the choice of a minor. French or Russian may replace German as a foreign language with permission of the Chairman of the Department of Mathematics.

PROGRAM V

BACHELOR OF SCIENCE WITH A MAJOR IN PHYSICS

Freshman Year

FIRST SEMESTER				SECOND SEMESTER			
<i>Subjects</i>			<i>Cr. Hours</i>	<i>Subjects</i>			<i>Cr. Hours</i>
CHM	123	Gen. Chemistry	4	CHM	124	Gen. Chemistry	4
ENG	101	English Composition I	3	ENG	102	Eng. Composition II.....	3
MTH	117	College Algebra & Trig....	5	MTH	216	Analytic Geom. &	
MIL	101	First Year Basic.....	2			Calc. 1	5
ORI		Orientation	0	MIL	102	First Year Basic.....	2
PHE	101	Physical Education	1½	PHY	206	Gen. Physics I	4
PHE	103	Health	1				
THL	106	Dogmatic Theology	3				
		or					
SPE	101	Fund. of Eff. Speak.....	3				

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
GER	101	Elementary German	GER	102	Elementary German
MTH	217	Analytic Geom. & Calc. II	MTH	218	Analytic Geom. & Calc. III
MIL	201	Second Year Basic	MIL	202	Second Year Basic
THL	206	Gen. Moral Theol.	PHY	208	Gen. Physics III
		or	PHL	207	Phil. Psych.
		Elective(*)	SPE	101	Fund. of Eff. Speak.
PHY	207	Gen. Physics II			
PHL	103	Logic			

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
ENG		Elective	MTH	431	Vector Analysis
MTH	301	Differential Equations	PHY	304	Intermed. Mechanics II ...
THL	306	Theol. & Moral Virtues.3	PHY	321	Nuclear Physics
		or	PHY	404	Physical Optics
PHL	404	Ethics(*)	PHY	432	Advanced Lab. II
PHY	303	Intermed. Mechanics I	PHY	460	Seminar
PHY	311	Atomic Physics	PHL	402	Gen. Metaphysics
PHY	431	Advanced Lab I			
PHY	460	Seminar			

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
MTH	421	Advanced Calculus I	GER	305	Scientific German
THL	406	Christology & Sacram.....	MTH	422	Advanced Calculus II
		or	PHY	409	Advanced Elec. & Magnet. II
PHL	403	Natural Theology(*)	PHY	460	Seminar
PHY	301	Thermodynamics	PHL	306	Epistemology
PHY	408	Adv. Elec. & Magnet I			
PHY	433	Advanced Lab. III			
PHY	460	Seminar			

(*) For Non-Catholics

Physics advanced courses may be selected from the following:

PHY	314	Electronics	PHY	351	Astronomy I
PHY	402	Wave Theory	PHY	450	Astronomy II
PHY	403	Geometrical Optics	PHY	420	Solid State
PHY	411	Theoretical Physics	PHY	440	X-Ray
			PHY	499	Special Problems

PROGRAM VI BACHELOR OF SCIENCE IN HOME ECONOMICS

THE DEPARTMENT provides two special curricula:

1. Dietetics and Institutional Management;
2. General Home Economics.

Students following these curricula may pursue a career in homemaking, interior decorating, the creating and constructing of clothing; in the management of cafeterias, dormitories, and tearooms; as demonstrators for commercial manufacturing concerns; at dietetics in hospitals and other institutions; in graduate work and in research projects.

The curriculum for dietetics and institutional management meets the requirements of the American Dietetics Association.

GENERAL HOME ECONOMICS

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
BIO 101	Gen. Biology	4	BIO 102	Gen. Biology	4
	or			or	
CHM 110	Gen. Chem.	5	CHM 200	Organic Chemistry	5
ENG 101	English Composition I	3	ENG 102	Eng. Composition II	3
HEC 102	Foods I	3	HEC 101	Clothing I	3
HEC 105	Intro. to Rel. Art	3	PHE 102	Physical Education	1/2
PHE 101	Physical Education	1/2	PHE 104	Health	1
PHE 103	Health	1	PHL 103	Logic	3
THL 106	Dogmatic Theol.	3	SPE 101	Fund. of Eff. Speak.	3
	or			or	
SPE 101	Fund. of Eff. Speak.*	3		Elective	3
ORI	Orientation	0			

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
HEC 211	Clothing II	3	ENG 220	Int. to Literature	3
HEC 221	Home Management I	3	HEC 201	Foods II	3
HEC 225	Child Development I	3	HEC 214	Textiles	3
PHE 201	Physical Education	1/2	HEC 318	Family Living	3
SOC 201	Gen. Sociology	3	PHE 202	Physical Education	1/2
THL 206	Gen. Moral Theol.	3	PSY 204	General Psychology	3
	or		PHL 207	Phil. Psychology	3
	Elective(*)	3			

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
HEC 309	Household Equipment	3	HEC 328	Home Furn. & Hous.	3
HEC	Advanced Course	3	HEC 303	Nutrition & Health	3
	Minor	3		Minor	3
THL 306	Theol. & Moral Virtues ..	3		Electives	3-6
	or		PHL 402	Gen. Metaphysics	3
PHL 404	Ethics(*)	3			

Senior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
HEC	Adv. Course	3	HEC	Adv. Course	3
HEC 406	Home Management II	3		Minor	3
THL 406	Christology & Sacra.....	3		Elective	6
	or		PHL 306	Epistemology	3
PHL 403	Natural Theology (*)	3			
	Minor	3			
	Elective	3			

(*) For Non-Catholics

A minor must be taken in another area such as English, Psychology, Retailing or History.

A student must take at least 21 hours in upper level Home Economics.

Six hours must be chosen from one area;

Foods—HEC 303, 327, 401, 437

Clothing—HEC 415, 436

Interior Decoration—HEC 326, 430, 436

DIETETIC INTERNSHIP PROGRAM

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
BIO 101	Gen. Biology	4	BIO 102	Gen. Biology	4
CHM 110	Gen. Chemistry	5	CHM 200	Organic Chemistry	5
ENG 101	English Composition I	3	ENG 102	English Comp. II	3
HEC 102	Foods I	3	PHE 102	Physical Education	1/2
PHE 101	Physical Education	1/2	PHE 104	Health	1
PHE 103	Health	1	PHL 103	Logic	3
THL 106	Dogmatic Theology	3	SPE 101	Fund of Eff. Speak.	3
	or				
SPE 101	Fund of Eff. Speak.	3			

Sophomore Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
ACC 205	Principles of Acctg.	4	ACC 206	Principles of Acctg.	4
ENG 220	Int. to Literature	3	PSY 204	Gen. Psychology	3
HEC 221	Home Management I	3	HEC 201	Foods II	3
HEC 225	Child Development I	3	HEC 318	Family Living	3
PHE 201	Physical Education	1/2	PHE 202	Physical Education	1/2
THL 206	Gen. Moral Theol.	3	PHL 207	Phil. Psych.	3
	or				
	Elective(*)	3			

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
BIO 205	Anat. & Physiol.	3	BIO 206	Anat. & Physiol.	3
HEC 303	Nutrition & Health	3	CHM 400	Biochemistry (1)	5
HEC 323	Demonstration Meth.	1	HEC 304	Quantity Cookery	3
	Electives	6	HEC 308	Institutional Buying	3
THL 306	Theol. & Moral Virtues ..	3	PHL 402	Gen. Metaphysics	3
	or				
PHL 404	Ethics(*)	3			

Senior Year

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Cr. Hours</i>	<i>Subjects</i>	<i>Cr. Hours</i>
HEC 406 Home Management II	3	BIO 400 Applied Bacteriology	3
PSY 420 Industrial Psych.	3	HEC 401 Adv. Nutrition	3
Electives	6	HEC 402 Diet in Disease	3
THL 406 Christology & Sacra.	3	HEC 407 Org. and Management	3
or		PHL 406 Epistemology	3
PHL 403 Natural Theology	3		

(*) Non-Catholics may substitute an elective for Religion.

(1) CHM 400, prerequisite or concurrent with advanced nutrition.

PROGRAM VII

BACHELOR OF SCIENCE WITH A MAJOR IN
MEDICAL TECHNOLOGY

A TWELVE or thirteen month course in Medical Technology is offered by the Diagnostic Laboratories of St. Elizabeth Hospital, Good Samaritan Hospital, and Miami Valley Hospital. Affiliation with the University of Dayton permits a student to obtain the degree of Bachelor of Science in Medical Technology if the University's requirements are fulfilled. These schools are accredited by the Registry of Medical Technologists of the American Society of Clinical Pathologists through the Council on Medical Education and Hospitals of the American Medical Association, and qualify a student to take the examination given by the Registry of Medical Technologists.

The student receives practical and theoretical experience in the various branches of the clinical laboratory, after which he is qualified for positions in hospitals, clinics, research laboratories and physicians' offices.

METHODS OF INSTRUCTION

AFTER A PRELIMINARY concentrated introduction to medical technology, the student participates in the activities of the Diagnostic Laboratories, spending a specific time in each department. Instruction is under the Supervision of the pathologist and his staff. Regular assignments in recognized textbooks and laboratory periodicals are given. Conferences and examinations are held throughout the year. Following a review period at the end of the prescribed course, a final examination is given patterned after that of the Registry of Medical Technologists.

ADMISSION REQUIREMENTS

In planning for the hospital experience, the student is required to arrange for an interview with the pathologist at the approved School of Medical Technology at the hospital. He should also plan to visit each hospital for the purpose of seeing the facilities of the diagnostic laboratories. His choice of School must be stated in writing to both, the pathologist at the School of Medical Technology, and the advisor of the Medical Technology students at the University. This must be done no later than March first, if he intends to begin training at the hospital in July. The University Advisor will submit letters of

recommendation to each School of Medical Technology in behalf of the student seeking the interview.

For those who are not interested in the Bachelor's degree, but who want the certificate only, a three year program will be arranged by the Assistant to the Dean of the Division which will satisfy the minimum requirements for admission to the hospital training period.

Applicants must present the following qualifications:

A. FOR CERTIFICATE ONLY.

1. Three years (90 credit hours) of college work in a college or university accredited by a recognized standardizing association.
2. The minimum credits as required by the Registry of Medical Technologists, Muncie, Indiana, with minor additions listed below. The student must submit an official transcript of college credits approved by the Registry. The following credits are required:

Biology: 16 semester hours, which must include General Biology and or Zoology, Bacteriology, Parasitology, Physiology, Anatomy, Histology, Embryology may be used to fulfill the requirement. Bacteriology is preferred.

Chemistry: 16 semester hours which must include one year of general Inorganic Chemistry, both lecture and laboratory. To complete the remaining requirement, Quantitative Chemistry, Organic Chemistry, or Biochemistry including lecture and laboratory may be taken. Quantitative Chemistry is preferred.

Mathematics: 3 semester hours of College Mathematics.

Electives: It is recommended that subjects such as Anatomy, English, Physics, Organic Chemistry, Advanced Bacteriology, Humanities and Social Sciences while not required, may be taken to fulfill the requirements for the total credit hours.

B. FOR B. S. IN MEDICAL TECHNOLOGY.

1. Three years of college work of which a minimum of 30 semester hours must be taken at the University of Dayton. The subjects listed above should be included.
2. 52-56 weeks' work at the Hospital Laboratory for which the student receives 33 semester hours of credit. Some students may be required to follow subjects given on the University campus, concurrently with training at the Hospital Laboratory.
3. A total of 128 semester hours, including the Major in Medical Technology, a minor either in Chemistry or Biology (12 semester hours above basic courses). Students are accepted for classes beginning in July. Completion of hospital training in August should not, in most cases, interfere with graduation in June.

SENIOR YEAR SCHOLARSHIP

A full tuition scholarship is made available for the senior year. This includes room and board for the women students; it may not be possible to secure housing for male students.

Students provide their own uniforms, and textbooks.

LENGTH OF CLINICAL COURSE

THE COURSE of instruction covers a period of 52-56 consecutive weeks. Vacation periods or leaves of absence are not provided because not desirable, but can be arranged upon necessity. The hours of duty are from 8:00 a.m. to 5:00 p.m., five days a week. Special assignments for Sunday and holiday work are given with time off during the week. There is no night call for students.

Textbook assignments and extracurricular reading and study shall be done outside the regular hours. Written and oral examinations are held at regular intervals throughout the course.

GRADUATION AND REGISTRATION

AFTER DEMONSTRATING a theoretical and practical proficiency in clinical laboratory procedures, the student is given a certificate by the Hospital, and becomes eligible for the national examination for certification by the Registry of Medical Technology.

Students who are registered at the University of Dayton are eligible for the degree of Bachelor of Science in Medical Technology.

Examinations for Registration and the Certificate of M. T. (Medical Technologist) are given in July and November by the Registry of Medical Technologists in various cities. These are written examinations.

FIRST SEMESTER				<i>Freshman Year</i>	SECOND SEMESTER				
<i>Subjects</i>				<i>Cr. Hours</i>	<i>Subjects</i>				<i>Cr. Hours</i>
BIO	101	Gen. Biology		4	BIO	102	Gen. Biology		4
CHM	123	Gen. Chemistry		4	CHM	124	Gen. Chemistry		4
ENG	101	English Composition I		3	ENG	102	English Comp. II		3
MTH	121	College Algebra		3	MIL	102	First Year Basic		2
MIL	101	First Year Basic		2	PHL	103	Logic		3
PHE	101	Physical Education	1/2		PHE	102	Physical Education	1/2	
THL	106	Prin. Dogm. Theol.		3	SPE	101	Fund. of Eff. Speak.....		3

FIRST SEMESTER			<i>Sophomore Year</i>	SECOND SEMESTER			
<i>Subjects</i>		<i>Cr. Hours</i>		<i>Subjects</i>		<i>Cr. Hours</i>	
BIO	207	Human Anatomy	4	BIO	309	Micro Technique	4
BIO	325	Parasitology	3	CHM	301	Quantitative Analysis	4
ENG	220	Int. to Literature	3	MIL	202	Second Year Basic.....	2
		Modern Language	3	PHE	202	Physical Educ. Women	1/2
MIL	201	Second Year Basic.....	2	PHL	207	Phil. Psych.	3
PHE	201	Physical Education, Wom. 1/2				Elective	3
THL	206	Gen. Moral Theol.	3				
		or					
		Elective (*)	3				

Junior Year

FIRST SEMESTER			SECOND SEMESTER		
<i>Subjects</i>		<i>Cr. Hours</i>	<i>Subjects</i>		<i>Cr. Hours</i>
BIO 303	Physiology	4	BIO 411	Bacteriology	5
BIO 309	Microtechnique	4	CHM 314	Organic Chemistry	4
CHM 313	Organic Chemistry	4	PHL 404	Ethics**	3
THL 306	Theol. & Moral Virtues ..3			or	
	or			Elective	3
PHL 404	Ethics(*)	3			
	Electives	5-6			

(*) For Non-Catholics.
 (**) For Catholics.

Senior Year

(CLINICAL TRAINING IN HOSPITAL LABORATORY)

Good Samaritan, St. Elizabeth, Miami Valley

<i>Subjects</i>	<i>Credit Hours</i>
MET 471 Urinalysis and Renal Functions	3
MET 472 Hematology	5
MET 473 Bacteriology and Parasitology	6
MET 473 Chemistry and Gastric Analysis	7
MET 475 Histology and Cytology	4
MET 476 Serology, Spinal Fluids	4
MET 477 Electrocardiography, B.M.R.	2
MET 478 Blood Bank	2

PROGRAM VIII

BACCALAUREATE PROGRAM FOR REGISTERED NURSES

The University of Dayton offers a program in nursing to qualified registered professional nurses leading to the Bachelor of Science in Nursing. This program is designed to enrich and strengthen the professional nurse's background and thus enable her to realize more fully her potential as a person and as a member of the profession of nursing.

ADMISSION

In addition to fulfilling the general admission requirements of the University of Dayton the applicant to the nursing program should also submit to the Office of Admissions:

1. Transcript from an approved diploma school of nursing, including State Board achievement scores for each area of examination (not letter grades).
2. Photostatic copy of Registered Nurse licensure.
3. Any additional transcript of college work completed elsewhere.

REQUIREMENTS

ALL ENROLLING STUDENTS are required to take the National League for Nursing Graduate Nurse Examination before being officially accepted as a candidate for the baccalaureate program. The examination is to be taken within the first full-time semester or before completion of twelve credit hours (for part-time students), whichever occurs first.

The number of semester hours of credit for advanced standing granted by the University for the basic nursing program will be determined on an individual basis. Evaluation will be based on the student's school of nursing record, achievement in the state board examination and the results of the National League for Nursing Graduate Nurse Examination.

A minimum of 128 semester hours of credit is required for graduation. In some instances it may be necessary for a student to accumulate more than 128 semester hours of credit in order to meet the course requirements. A minimum grade of "C" is required in all courses in the major and a student must maintain at least a "C" or 2.0 grade point average in all work attempted to meet the requirements for graduation.

The program may be completed by full-time students in approximately two calendar years. Students attending school on a part-time basis should plan to attend at least one semester as full-time students before graduation. In the event a program is not completed within a five year period a re-evaluation of the student's record will be necessary to determine the extent to which she meets the requirements existing at the time of her planned graduation.

The following minimum course requirements must be fulfilled for the degree Bachelor of Science in Nursing:

English Composition	6 Hours
English and American Literature	6 Hours
Speech	3 Hours
History	6 Hours
Sociology	6 Hours
Psychology	9 Hours
Philosophy and Theology	12 Hours
Science	8 Hours
Nursing	23 Hours
Public Health Sciences	4 Hours

Students may enter the program at the beginning of any semester or summer session. Application for admission should be completed well in advance of the semester in which the student wishes to enroll. Academic pre-registration counselling is required for all students in the nursing program. All students are required to attend a series of orientation conferences during their first semester of enrollment in the Department of Nursing.

For further information regarding the program write to Chairman, Department of Nursing, University of Dayton.

PROGRAM X

BACHELOR OF SCIENCE FOR PRE-MEDICAL STUDENTS

THE PROGRAM OFFERED the students of this course meets the requirements for admission to approved medical schools as determined by the Council of Medical Education for the American Medical Association.

For those students for whom it is possible, the four year course leading to the degree Bachelor of Science is recommended. In addition to the basic science requirements laid down for medical school admission, a broad and adequate study of the Humanities and Social Sciences is also recommended. A reading knowledge of one language, either German or French, is generally desired by the medical schools. One year of college work, in addition to the high school units in the same language, may be sufficient.

Recommendation of a student by his pre-medical school is usually of importance for admission to medical or dental school. Recommendation is based on more than academic standing; character and personality qualities are also weighed. The board on pre-medical recommendations is made up of the following:

CARL MICHAELIS, *Chairman*

CLETUS C. CHUDD, S.M.

SYLVESTER EVESLAGE

PETER J. FASO

GERTRUDE D. SHAY

RAYMOND HIEBER

RUSSELL A. JOLY, S.M.

PAUL MACHOWICZ, S.M.

PAPPALARDO, JOSEPH A.

Both the Medical College Admissions Test and the American Dental Aptitude Test are administered on this campus each year in the fall and spring semesters. Students are generally required by the graduate school to take this test. Applications for registration may be secured from the Pre-medical advisor. It is generally desirable for the student to take this examination the semester prior to his making application to the Medical College or Dental school.

PREMEDICAL CURRICULUM

Freshman Year

FIRST SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
BIO 101	Gen. Biology	4
CHM 123	Gen. Chemistry	4
ENG 101	English Composition I	3
MTH 121	College Algebra	3
MIL 101	First Year Basic	2
ORI	Orientation	0
PHE 101	Physical Education	1/2
THL 106	Dogm. Theol.	3
	or	
SPE 101	Fund. of Eff. Spe.(*)	3

SECOND SEMESTER

<i>Subjects</i>		<i>Cr. Hours</i>
BIO 102	Gen. Biology	4
CHM 124	Gen. Chemistry	4
ENG 102	English Comp. II	3
MTH 124	College Trig.	2
MIL 102	First Year Basic	2
PHL 103	Logic	3

Sophomore Year

FIRST SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
BIO 209 Comparative Anatomy	5
ENG 220 Int. to Literature	3
GER 101 Elementary German	3
MIL 201 Second Year Basic	2
PHY 201 Gen. Physics	4
THL 206 Gen. Moral Theol.	3
or	
Elective (*)	3

SECOND SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
CHM 301 Quantitative Chemistry ..	4
GER 102 Elementary German	3
MIL 202 Second Year Basic	2
PHL 207 Phil. Psych.	3
PHY 202 Gen. Physics	4
PSY 204 Gen. Psychology	3

Junior Year

FIRST SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
BIO Elective	3
CHM 313 Organic Chemistry	4
ECO 201 Prin. of Eco.	3
Elective	3
THL 306 Theol. & Moral Virtues ..	3
or	
PHL 404 Ethics (*)	3

SECOND SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
BIO Elective	3-4
CHM 314 Organic Chemistry	4
PHL 402 Gen. Metaphysics	3
SPE 101 Fund. of Eff. Speaking	3
or	
Elective (1)	3
Elective	3

Senior Year

FIRST SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
BIO 407 Embryology	5
HST 251 Am. Hist. to 1865	3
PSY 305 Mental Hygiene	3
THL 406 Christology & Sacra.	3
or	
PHL 403 Natural Theology (*) ..	3
SOC 201 General Sociology	3

SECOND SEMESTER

<i>Subjects</i>	<i>Cr. Hours</i>
BIO Elective	3-4
PHL 404 Ethics (**)	3
PHL 306 Epistemology	3
Elective	3-6

(*) For Non-Catholics.

(**) For Catholics.

(1) For those who have had Speech in the Freshman year.

OTHER PROGRAMS

THOSE WHO INTEND to enter other professions such as Optometry, Mortuary Science, Pharmacy, and Veterinary Science, may take a program of studies designed to give them admission to these schools. However, since these requirements differ so much among the various schools, each student has his program worked out with the professional school of his choice in mind.