

**BIOLOGY AND CHEMISTRY  
DEGREE REQUIREMENTS – 79 CREDITS**

**\*GENERAL CORE**

☐ Humanities

ENG 110	College Composition I
ENG 120	College Composition II
FLA OPEN	Intermediate Spanish or Other Foreign Language
PHIL 101	Philosophy of Ethics
THE 103	Ignatian Spirituality
THE 200 OPEN	Any 200 Level Theology Course

☐ Social Sciences

SOC 121	Introduction to Research Methods
HIS/CRS	Any HIS or CRS Elective

☐ Mathematics

MTH 103	Intermediate Algebra
MTH 109	Pre-Calculus

☐☐ Other

COLL 101	College Seminar
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***\*Student is granted exemptions from the General Core.***

**PROFESSIONAL CORE**

☐ Biology

BIO131	Cellular Biology
BIO131L	Cellular Biology LAB
BIO231	Evolution and Biodiversity
BIO231L	Evolution and Biodiversity LAB
BIO232	Genetics
BIO241	Human Anatomy and Physiology
BIO241L	Human Anatomy and Physiology LAB
BIO242	Human Health and Disease

☐ Chemistry

CHE 123	Principles of Chemistry I
CHE 123L	Principles of Chemistry I LAB
CHE129	Principles of Chemistry II
CHE129L	Principles of Chemistry II LAB
CHE136	Fundamental Organic Chemistry
CHE 140	Biochemistry
CHE 140L	Biochemistry LAB
CHE230	Analytical Methods in Chemistry
CHE234	Organic Chemistry

CHE234L      Organic Chemistry LAB  
 CHE 239      Inorganic Chemistry  
 CHE239L      Inorganic Chemistry LAB  
 MTH 216      Calculus for the Life Sciences

**Biology and Chemistry  
 Degree Requirements – 79 credits**

Academic Advisor:						School Year:					
Semester I						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
BIO 131	Cellular Biology	3									
BIO 131L	Cellular Biology Lab	1									
*CHE 123	Principles of Chemistry I	3									
CHE 123L	Principles of Chemistry I Lab	1									
*ENG 110	College Composition I	3									
COLL 101	College Seminar	1									
*MTH 103	Intermediate Algebra	3									
THE 103	Ignatian Spirituality	3									
Recommended Total Credit Hours		18									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program ]Date:											
ADVISING											
Date (mm/dd/yr)	Advisor's Signature					Comment/s					

\*Students may be required to take additional preparatory courses based on previous grades

Academic Advisor:						School Year:					
Semester II						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 140	Biochemistry	3									
CHE 140L	Biochemistry Lab	1									
**CHE 129	Principles of Chemistry II	3									
CHE 129L	Principles of Chemistry II Lab	1									
**CHE 136	Fundamental Organic Chemistry	3									
**ENG 120	College Composition II	3									
**MTH 109	Pre-Calculus	3									
SOC 121	Introduction to Research Methods	3									
Recommended Total Credit Hours		20									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes    [Previous Program New Program ]Date:											
ADVISING											
Date(mm/dd/yr)		Advisor's Signature				Comment/s					
** for courses requiring prerequisites											

Academic Advisor:						School Year:					
Semester III						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**BIO 231	Evolution and Biodiversity	3									
BIO 231L	Evolution and Biodiversity Lab	1									
**BIO 232	Genetics	3									
**CHE 230	Analytical Methods in Chemistry	3									
**CHE 234	Organic Chemistry	3									
CHE 234L	Organic Chemistry Lab	1									
HIS/**CRS OPEN	Any HIS/CRS Open Elective	3									
**PHIL 101	Philosophy of Ethics	3									
Recommended Total Credit Hours		20									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes    [Previous Program New Program ]Date:											
Application for Degree Completion/Graduation: <input type="checkbox"/> No <input type="checkbox"/> Yes                      Response: <input type="checkbox"/> No <input type="checkbox"/> Yes											
If you've done 31 credits or more											

ADVISING		
Date(mm/dd/yr)	Advisor's Signature	Comment/s
**for courses requiring prerequisites		

Academic Advisor:						School Year:					
Semester IV						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**BIO 241	Human Anatomy and Physiology	3									
BIO 241L	Human Anatomy and Physiology Lab	1									
**BIO 242	Human Health and Disease	3									
**CHE 239	Inorganic Chemistry	3									
CHE 239L	Inorganic Chemistry Lab	1									
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
**MTH 216	Calculus for the Life Sciences	4									
**THE 200 OPEN	Any200 Level Theology Course	3									
Recommended Total Credit Hours		21									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature	Comment/s									

\*\*for courses requiring prerequisites

**BIOLOGY**  
**Degree Requirements: 75 Credits**

**GENERAL CORE**

Humanities

ENG 110      College Composition I  
ENG 120      College Composition II  
ENG 200 OPEN Any 200 Level Literature Course  
FLA OPEN     Intermediate Spanish or Other Foreign Language  
PHIL 101     Philosophy of Ethics  
THE 103      Ignatian Spirituality  
THE 200 OPEN Any 200 Level Theology Course

Social Sciences

SOC 121      Introduction to Research Methods  
HIS/CRS      Any HIS or CRS Elective

Mathematics

MTH 103     Intermediate Algebra  
MTH 109     Pre-Calculus

Computer Science

CIS OPEN     Any CIS/CGD/CNT Elective

Other

COLL 101     College Seminar

**PROFESSIONAL CORE**

Biology

BIO131      Cellular Biology  
BIO131L     Cellular Biology LAB  
BIO231      Evolution and Biodiversity  
BIO231L     Evolution and Biodiversity LAB  
BIO232      Genetics  
BIO 240     Plant Physiology and Anatomy  
BIO 240L    Plant Physiology and Anatomy Lab  
BIO241      Human Anatomy and Physiology  
BIO241L     Human Anatomy and Physiology LAB  
BIO242      Human Health and Disease  
CHE123      Principles of Chemistry I  
CHE123L     Principles of Chemistry I LAB  
CHE 129     Principles of Chemistry II  
CHE 129L    Principles of Chemistry II LAB  
CHE 140     Biochemistry  
CHE 140L    Biochemistry LAB  
ENS 120     Fundamental Ecological Principles

**BIOLOGY**  
**Degree Requirements – 75 Credits**

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Semester I</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
BIO 131	Cellular Biology	3									
BIO 131L	Cellular Biology Lab	1									
*CHE 123	Principles of Chemistry I	3									
CHE 123L	Principles of Chemistry I Lab	1									
*ENG 110	College Composition I	3									
ENS 120	Fundamentals of Ecological Principles	4									
THE 103	Ignatian Spirituality	3									
COLL 101	College Seminar	1									
<b>Recommended Total Credit Hours</b>		<b>19</b>									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program ]Date:											
<b>ADVISING</b>											
Date (mm/dd/yr)	Advisor's Signature	Comment/s									

\*Students may be required to take additional preparatory courses based on previous grades

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Semester II</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 140	Biochemistry	3									
CHE 140L	Biochemistry Lab	1									
**CHE 129	Principles of Chemistry II	3									
CHE 129L	Principles of Chemistry II Lab	1									
**ENG 120	College Composition II	3									
*MTH 103	Intermediate Algebra	3									
SOC 121	Introduction to Research Methods	3									
<b>Recommended Total Credit Hours</b>		<b>17</b>									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program New Program ]Date:											

ADVISING		
Date(mm/dd/yr)	Advisor's Signature	Comment/s

\*\*for courses requiring prerequisites

Academic Advisor:				School Year:								
Semester III				Repeated Attempts( if applicable)								
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year	
**BIO 231	Evolution and Biodiversity	3										
BIO 231L	Evolution and Biodiversity Lab	1										
**BIO 232	Genetics	3										
**MTH 109	Pre-Calculus	3										
HIS/**CRS OPEN	Any HIS/CRS Open Elective	3										
PHIL 101	Philosophy of Ethics	3										
**BIO 240	Plant Physiology and Anatomy	3										
BIO 240L	Plant Physiology and Anatomy Lab	1										
Recommended Total Credit Hours		20										
Mid Sem GPA Semester GPA Cumulative GPA _____												
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>												
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program New Program ]Date:												
Application for Degree Completion/Graduation: <input type="checkbox"/> No <input type="checkbox"/> Yes                      Response: <input type="checkbox"/> No <input type="checkbox"/> Yes If you've done 31 credits or more												
ADVISING												
Date(mm/dd/yr)	Advisor's Signature				Comment/s							

\*\*for courses requiring prerequisites

Academic Advisor:						School Year:					
Semester IV						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**BIO 241	Human Anatomy and Physiology	3									
BIO 241L	Human Anatomy and Physiology Lab	1									
**BIO 242	Human Health and Disease	3									
**ENG 200 OPEN	Any 200 Level Literature Course	3									
CIS OPEN	Any CIS/CGD/CNT Elective	3									
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
**THE 200 OPEN	Any200 Level Theology Course	3									
Recommended Total Credit Hours		19									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

\*\*for courses requiring prerequisites



**CHEMISTRY**  
**Degree Requirements: 75 Credits**

**GENERAL CORE**

Humanities

ENG 110      College Composition I  
ENG 120      College Composition II  
ENG 200 OPEN Any 200 Level Literature Course  
FLA OPEN     Intermediate Spanish or Other Foreign Language  
PHIL 101     Philosophy of Ethics  
THE 103      Ignatian Spirituality  
THE 200 OPEN Any 200 Level Theology Course

Social Sciences

SOC 121      Introduction to Research Methods  
HIS/CRS      Any HIS or CRS Elective

Mathematics

MTH 103      Intermediate Algebra  
MTH 109      Pre-Calculus

Computer Science

CIS OPEN     Any CIS/CGD/CNT Elective

Other

COLL 101     College Seminar

**PROFESSIONAL CORE**

Chemistry

CHE123      Principles of Chemistry I  
CHE123L     Principles of Chemistry I LAB  
CHE129      Principles of Chemistry II  
CHE129L     Principles of Chemistry II LAB  
CHE136      Fundamental Organic Chemistry  
CHE 140      Biochemistry  
CHE 140L     Biochemistry LAB  
CHE230      Analytical Methods in Chemistry  
CHE234      Organic Chemistry  
CHE234L     Organic Chemistry LAB  
CHE239      Inorganic Chemistry  
CHE239L     Inorganic Chemistry LAB  
BIO 131      Cellular Biology  
BIO 131L     Cellular Biology Lab  
ENS 120      Fundamental Ecological Principles  
ENS 216      Environmental Chemistry and Monitoring

**Chemistry**  
**Degree Requirements – 75 credits**

Academic Advisor:						School Year:					
Semester I						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
BIO 131	Cellular Biology	3									
BIO 131L	Cellular Biology Lab	1									
*CHE 123	Principles of Chemistry I	3									
CHE 123L	Principles of Chemistry I Lab	1									
*ENG 110	College Composition I	3									
SOC 121	Introduction to Research Methods	3									
COLL 101	College Seminar	1									
THE 103	Ignatian Spirituality	3									
Recommended Total Credit Hours		18									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program ] Date:											
ADVISING											
Date (mm/dd/yr)	Advisor's Signature					Comment/s					
*Students may be required to take additional preparatory courses based on previous grades											

Academic Advisor:						School Year:					
Semester II						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 129	Principles of Chemistry II	3									
CHE 129L	Principles of Chemistry II Lab	1									
**CHE 136	Fundamental Organic Chemistry	3									
**ENG 120	College Composition II	3									
**CHEM 140	Biochemistry	3									
CHEM 140L	Biochemistry Lab	1									
*MTH 103	Intermediate Algebra	3									
Recommended Total Credit Hours		17									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program ] Date:											

ADVISING		
Date(mm/dd/yr)	Advisor's Signature	Comment/s

\*\*for courses requiring prerequisites

Academic Advisor:						School Year:					
Semester III						Repeated Attempts( if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 230	Analytical Methods in Chemistry	3									
**CHE 234	Organic Chemistry	3									
CHE 234L	Organic Chemistry Lab	1									
**MTH 109	Pre-Calculus	3									
HIS/**CRS OPEN	Any HIS/CRS Open Elective	3									
ENS 120	Fundamental Ecological Principles	4									
PHIL 101	Philosophy of Ethics	3									
Recommended Total Credit Hours		20									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program New Program ]Date:											
Application for Degree Completion/Graduation: <input type="checkbox"/> No <input type="checkbox"/> Yes                      Response: <input type="checkbox"/> No <input type="checkbox"/> Yes If you've done 31 credits or more											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

\*\*for courses requiring prerequisites

Academic Advisor:				School Year:							
Semester IV						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 239	Inorganic Chemistry	3									
CHE 239L	Inorganic Chemistry Lab	1									
**ENG 200 OPEN	Any 200 Level Literature Course	3									
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
**ENS 216	Environmental Chemistry and Monitoring	4									
CIS OPEN	Any CIS/CGD/CNT Course	3									
**THE 200 OPEN	Any 200 Level Theology Course	3									
Recommended Total Credit Hours		20									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

\*\*for courses requiring prerequisites

**Environmental Science**  
**Degree Requirements – 74 credits**

**\*GENERALCORE**

Humanities

ENG 110	College Composition I
ENG 120	College Composition II
FLA OPEN	Intermediate Spanish or Other Foreign Language
PHIL 101	Philosophy of Ethics
THE 103	Ignatian Spirituality
THE 200 OPEN	Any 200 Level Theology Course

Social Sciences

SOC 121	Introduction to Research Methods
HIS/CRS	Any HIS or CRS Elective

Mathematics

MTH 103	Intermediate Algebra
MTH 116	Probability and Statistics for the Physical or Social Scientist

Other

COLL 101	College Seminar
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***\*Student is granted exemptions from the General Core.***

**PROFESSIONALCORE**

Environmental Science

BIO 131	Cellular Biology
BIO 131L	Cellular Biology LAB
BIO 231	Evolution and Biodiversity
BIO 231L	Evolution and Biodiversity LAB
CHE 123	Principles of Chemistry I
CHE 123L	Principles of Chemistry I LAB
CHE 129	Principles of Chemistry II
CHE 129L	Principles of Chemistry II LAB
ENS 120	Fundamentals of Ecological Principles
ENS 121	Environment and Society
ENS 122	Geography of Environmental Systems
ENS 212	Sustainable Agriculture/Agro-forestry
ENS 216	Environmental Chemistry and Monitoring
ENS 217	Marine and Fish Ecology
ENS 221	Tropical Ecology Research
ENS 241	Internship in Environmental Science

**Environmental Science  
Degree Requirements – 74 credits**

Academic Advisor:						School Year:					
Semester I						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
BIO131	Cellular Biology	3									
BIO131L	Cellular Biology Lab	1									
*CHE123	Principles of Chemistry I	3									
CHE 123L	Principles of Chemistry I Lab	1									
*ENG110	College Composition I	3									
ENS 120	Fundamentals of Ecological Principles with Field Work	4									
THE 103	Ignatian Spirituality	3									
COLL 101	College Seminar	1									
Recommended Total Credit Hours		19									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program _____] Date: _____											
ADVISING											
Date (mm/dd/yr)	Advisor's Signature	Comment/s									

\*Students may be required to take additional preparatory courses based on previous grades

Academic Advisor:						School Year:					
Semester II						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE129	Principles of Chemistry II	3									
CHE129L	Principles of Chemistry II Lab	1									
**ENG120	College Composition II	3									
**ENS121	Environment and Society	3									
**ENS122	Geography of Environmental Systems	4									
*MTH 103	Intermediate Algebra	3									
SOC 121	Introduction to Research Methods	3									
Recommended Total Credit Hours		20									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes    [Previous Program _____ New Program _____] Date: _____											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature	Comment/s									

\*\*for courses requiring prerequisites



Academic Advisor:						School Year:					
Semester IV						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**ENS 216	Environmental Chemistry and Monitoring	4									
**ENS 221	Tropical Ecology Research	3									
**ENS 241	Internship in Environmental Science	1									
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
PHIL 101	Philosophy of Ethics	3									
**THE 200 OPEN	Any200 Level Theology Course	3									
Recommended Total Credit Hours		17									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

\*\*for courses requiring prerequisites



**Mathematics**  
**Degree Requirements – 72 credits**

**\*GENERALCORE**

Humanities

ENG 110      College Composition I  
ENG 120      College Composition II  
ENG 200 OPEN Any 200 Level Literature Course  
FLA OPEN     Intermediate Spanish or Other Foreign Language  
PHIL 101     Philosophy of Ethics  
THE 103      Ignatian Spirituality  
THE 200 OPEN Any 200 Level Theology Course

Social Sciences

SOC 121      Introduction to Research Methods  
HIS/CRSAny HIS or CRS Elective

Mathematics

MTH 105     Algebra for the Sciences  
MTH 115     College Algebra

Other

COLL 101    College Seminar

***\*Student is allowed exemptions from the General Core.***

**PROFESSIONALCORE**

Mathematics

CIS 125      Principles of Programming I  
CIS OPEN    CIS OPEN Elective  
MTH 119     Trigonometry  
MTH 140     Analytic Geometry  
MTH 145     Calculus I  
MTH 236     Calculus II  
MTH 245     Probability and Statistics  
MTH 250     Further Sequences and Mathematical Modeling  
MTH 260     Linear Algebra  
SCI OPEN    SCI OPEN Elective  
OPEN Elective Non-Science OPEN Elective

**Mathematics**  
**Degree Requirements – 72 credits**

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Pre-Summer</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
MTH 105	Algebra for the Sciences	3									
Recommended Total Credit Hours		3									
Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Semester I</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
CIS 125	Principles of Programming I	3									
*ENG 110	College Composition I	3									
**MTH 115	College Algebra	4									
MTH 115R	College Algebra Recitation	0									
**MTH 119	Trigonometry	4									
THE 103	Ignatian Spirituality	3									
COLL 101	College Seminar	1									
Recommended Total Credit Hours		18									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program ]Date:											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature					Comment/					

\*Students may be required to take additional preparatory courses based on previous grades

Academic Advisor:						School Year:					
Semester II						Repeated Attempts (if applicable)					
Course	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
CIS OPEN	CIS OPEN Elective	3									
**ENG 120	College Composition II	3									
SCI OPEN Elective	SCI OPEN Elective	3									
**MTH 140	Analytic Geometry	3									
**MTH 145	Calculus I	4									
MTH 145R	Calculus I Recitation	0									
SOC 121	Introduction to Research Methods	3									
Recommended Total Credit Hours		19									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program New Program ]Date:											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature					Comments					

\*\*for courses requiring prerequisites

Academic Advisor:						School Year:					
Semester III						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
HIS/**CRS OPEN	Any HIS/CRS Course	3									
PHIL 101	Philosophy of Ethics	3									
**MTH 236	Calculus II	4									
MTH 236R	Calculus II Recitation	0									
**MTH 245	Probability and Statistics	4									
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
Recommended Total Credit Hours		17									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program New Program ]Date:											
Application for Degree Completion/Graduation: <input type="checkbox"/> No <input type="checkbox"/> Yes      Response: <input type="checkbox"/> No <input type="checkbox"/> Yes If you've done 31 credits or more											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

Academic Advisor:				School Year:							
Semester IV				Repeated Attempts (if applicable)							
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
OPEN Elective	OPEN Non-Science Elective	3									
**ENG 200 OPEN	Any 200 Level Literature Course	3									
**MTH 250	Further Sequences and Mathematical Modeling	3									
** MTH 260	Linear Algebra	3									
**THE 200 OPEN	Any 200 Level Theology Course	3									
Recommended Total Credit Hours		15									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature				Comment/s						

\*\*for courses requiring prerequisites

**Math and Chemistry**  
**Degree Requirements – 77 Credits**

**\*GENERALCORE**

Humanities

ENG 110	College Composition I
ENG 120	College Composition II
FLA OPEN	Intermediate Spanish or Other Foreign Language
PHIL 101	Philosophy of Ethics
THE 103	Ignatian Spirituality
THE 200 OPEN	Any 200 Level Theology Course

Social Sciences

SOC 121	Introduction to Research Methods
HIS/CRS	Any HIS or CRS Elective

Mathematics

MTH 105	Algebra for the Sciences
MTH 115	College Algebra

Other

COLL 101	College Seminar
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***\*Student is allowed exemptions from the General Core.***

**PROFESSIONALCORE**

Chemistry

BIO 131	Cellular Biology
BIO 131L	Cellular Biology LAB
CHE 123	Principles of Chemistry I
CHE 129L	Principles of Chemistry II LAB
CHE 136	Fundamental Organic Chemistry
CHE 140	Biochemistry
CHE 140L	Biochemistry LAB
CHE 230	Analytical Methods in Chemistry
CHE 234	Organic Chemistry
CHE 234L	Organic Chemistry LAB
CHE 239	Inorganic Chemistry

Math

CHE 239L	Inorganic Chemistry LAB
MTH 119	Trigonometry
MTH 140	Analytic Geometry
MTH 145	Calculus I
MTH 236	Calculus II

**Math and Chemistry  
Degree Requirements – 77 Credits**

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Pre-Summer</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
MTH 105	Algebra for the Sciences	3									
<b>Recommended Total Credit Hours</b>		<b>3</b>									
Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Semester I</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
*CHE 123	Principles of Chemistry I	3									
CHE 123L	Principles of Chemistry I Lab	1									
*ENG 110	College Composition I	3									
**MTH 115	College Algebra	4									
MTH 115R	College Algebra Recitation	0									
**MTH 119	Trigonometry	4									
BIO 131	Cellular Biology	3									
BIO 131L	Cellular Biology LAB	1									
COLL 101	College Seminar	1									
<b>Recommended Total Credit Hours</b>		<b>20</b>									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program _____] Date: _____											
<b>ADVISING</b>											
Date (mm/dd/yr)	Advisor's Signature					Comment/s					

\*Students may be required to take additional preparatory courses based on previous grades

Academic Advisor:		School Year:									
Semester II						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 129	Principles of Chemistry II	3									
CHE 129L	Principles of Chemistry II Lab	1									
**CHE 136	Fundamental Organic Chemistry	3									
**CHE 140	Biochemistry	3									
CHE 140L	Biochemistry LAB	1									
**ENG 120	College Composition II	3									
**MTH 140	Analytic Geometry	3									
**MTH 145	Calculus I	4									
SOC 121	Introduction to Research Methods	3									
Recommended Total Credit Hours		24									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes    [Previous Program New Program ]Date:											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

\*\*for courses requiring prerequisites

Academic Advisor:						School Year:					
Semester III						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 230	Analytical Methods in Chemistry	3									
**CHE 234	Organic Chemistry	3									
CHE 234L	Organic Chemistry Lab	1									
HIS/**CRS OPEN	HIS/CRS OPEN Elective	3									
**MTH 236	Calculus II	4									
MTH 236R	Calculus II Recitation	0									
THE 103	Ignatian Spirituality	3									
Recommended Total Credit Hours		17									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program New Program ]Date:											
Application for Degree Completion/Graduation: <input type="checkbox"/> No <input type="checkbox"/> Yes Response: <input type="checkbox"/> No <input type="checkbox"/> Yes If you've done 31 credits or more											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature					Comment/					

Academic Advisor:						School Year:					
Semester IV						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**CHE 239	Inorganic Chemistry	3									
CHE 239L	Inorganic Chemistry Lab	1									
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
**THE 200 OPEN	Any200 Level Theology Course	3									
PHIL 101	Philosophy of Ethics	3									
Recommended Total Credit Hours		13									
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					



**PHYSICS**  
**DEGREE REQUIREMENTS – 78 CREDITS**

**\*GENERALCORE**

Humanities

ENG 110	College Composition I
ENG 120	College Composition II
FLA OPEN	Intermediate Spanish or Other Foreign Language
PHIL 101	Philosophy of Ethics
THE 103	Ignatian Spirituality
THE 200 OPEN	Any 200 Level Theology Course

Social Sciences

SOC 121	Introduction to Research Methods
HIS/CRS	Any HIS or CRS Elective

Mathematics

MTH 105	Algebra for the Sciences
MTH 115	College Algebra

Other

COLL 101	College Seminar
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***\*Student is allowed exemptions from the General Core.***

**PROFESSIONAL CORE**

Physics

CHE 123	Principles of Chemistry I
CHE 123L	Principles of Chemistry I LAB
MTH 119	Trigonometry
MTH 140	Analytic Geometry
MTH 145	Calculus
MTH 236	Calculus II
MTH 245	Probability and Statistics
PHY 116	Classical Mechanics for Scientists and Engineers
PHY 116L	Classical Mechanics for Scientists and Engineers LAB
PHY 120	Introduction to Fluids, Materials and Thermodynamics
PHY 130	Introduction to Analog and Digital Electronics
PHY 130L	Introduction to Analog and Digital Electronics LAB
PHY 216	Light, Waves and Oscillations
PHY 216L	Light, Waves and Oscillations LAB
PHY 226	Electromagnetism
PHY 226L	Electromagnetism LAB
PHY 236	Modern Physics
PHY 236L	Modern Physics LAB

**Physics**  
**Degree Requirements – 78 credits**

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Pre-Summer</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
MTH 105	Algebra for the Sciences	3									
<b>Recommended Total Credit Hours</b>		<b>3</b>									
Semester GPA _____ Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date(mm/dd/yr)	Advisor's Signature					Comment/					

<b>Academic Advisor:</b>						<b>School Year:</b>					
<b>Semester I</b>						<b>Repeated Attempts (if applicable)</b>					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
*CHE 123	Principles of Chemistry I	3									
CHE123L	Principles of Chemistry I Lab	1									
*ENG 110	College Composition I	3									
**MTH 115	College Algebra	4									
MTH 115R	College Algebra Recitation	0									
**MTH 119	Trigonometry	4									
SOC 121	Introduction to Research Methods	3									
COLL 101	College Seminar	1									
<b>Recommended Total Credit Hours</b>		<b>19</b>									
Mid Sem GPA _____ Semester GPA _____ Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____ New Program _____]Date:											
<b>ADVISING</b>											
Date (mm/dd/yr)	Advisor's Signature					Comment/s					

\*Students may be required to take additional preparatory courses based on previous grades

Academic Advisor:				School Year:								
Semester II						Repeated Attempts (if applicable)						
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year	
**ENG 120	College Composition II	3										
**MTH 140	Analytic Geometry	3										
**MTH 145	Calculus I	4										
MTH 145R	Calculus I Recitation	0										
**PHY 116	Classical Mechanics for Scientists and Engineers	3										
PHY 116L	Classical Mechanics for Scientists and Engineers Lab	1										
PHY 116R	Classical Mechanics for Scientists and Engineers Recitation	0										
THE 103	Ignatian Spirituality	3										
Recommended Total Credit Hours		17										
Mid Sem GPA Semester GPA Cumulative GPA _____												
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>												
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes    [Previous Program New Program ]Date:												
ADVISING												
Date (mm/dd/yr)	Advisor's Signature					Comment/s						

\*\*for courses requiring prerequisites

Academic Advisor:				School Year:								
Semester III						Repeated Attempts (if applicable)						
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year	
HIS/**CRS OPEN	Any HIS/CRS Course	3										
PHIL 101	Philosophy of Ethics	3										
**MTH 236	Calculus II	4										
MTH 236R	Calculus II Recitation	0										
**MTH 245	Probability and Statistics	4										
**PHY 120	Intro to Fluids, Materials and Thermodynamics	3										
**PHY 216	Light, Waves and Oscillations	3										
PHY 216L	Light, Waves and Oscillations Lab	1										
PHY 216R	Light, Waves and Oscillations Recitation Lab	0										
Recommended Total Credit Hours		21										

Mid Sem GPA Semester GPA Cumulative GPA \_\_\_\_\_

Probationary Status No Yes [Semester  or Cumulative

Program Change: No Yes [Previous Program New Program ]Date:

Application for Degree Completion/Graduation:No Yes Response: No Yes  
 If you've done 31 credits or more

ADVISING		
Date(mm/dd/yr)	Advisor's Signature	Comment

Academic Advisor:						School Year:					
Semester IV						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
**PHY 130	Intro to Analog and Digital Electronics	3									
PHY 130L	Intro to Analog and Digital Electronics LAB	1									
**PHY 226	Electromagnetism	3									
PHY 226L	Electromagnetism Lab	1									
PHY 226R	Electromagnetism Recitation	0									
**PHY 236	Modern Physics	3									
PHY 236L	Modern Physics Lab	1									
**THE 200 OPEN	Any 200 Level Theology Course	3									
Recommended Total Credit Hours		18									

Mid Sem GPA Semester GPA Cumulative GPA \_\_\_\_\_

Probationary Status No Yes [Semester  or Cumulative

**ADVISING**

\*\*for courses requiring prerequisites

**INTERDISCIPLINARY SCIENCE  
DEGREE REQUIREMENTS – 73 CREDITS**

**GENERALCORE**

Humanities

ENG 110            College Composition I  
 ENG 120            College Composition II  
 ENG 200 OPEN    Any 200 Level Literature Course  
 FLA OPEN         Intermediate Spanish or Other Foreign Language  
 PHIL 101          Philosophy of Ethics  
 THE 103            Ignatian Spirituality  
 THE 200 OPEN    Any 200 Level Theology Course

Social Sciences

SOC 121            Introduction to Research Methods  
 HIS/CRS           Any HIS or CRS Elective

Mathematics

MTH 103/105    Intermediate Algebra or Algebra for the Sciences  
 MTH OPEN        Any Other MTH Course

Computer Science

CIS OPEN         Any CIS/CGD/CNT Elective

Other

COLL 101         College Seminar

**PROFESSIONAL CORE**

	<b>Year I Options (minimum of 25 credits)</b>	<b>Year 2 Options (minimum of 11 credits)</b>
<b>Choice A</b>	BIO 131, BIO 131L, BIO 140, BIO 140L	BIO 231, BIO 231L, BIO 241, BIO 241L
	CHE 123, CHE 123L, CHE 129, CHE 129L, CHE 136	CHE 230, CHE 239, CHE 239L
	ENS 120, ENS 121, ENS 122	ENS 212, ENS 217, ENS 216, ENS 221
	CIS 125, CIS 126, CIS 130, CIS 135	CIS 233, CIS 240, CIS 283, CIS 285, CIS 286, CIS 288
	CNT 125, CNT 135	CNT 225, CNT 235, CNT 250
<b>Choice B</b>	BIO 131, BIO 131L, BIO 140, BIO 140L	BIO 231, BIO 231L, BIO 241, BIO 241L
	CHE 123, CHE 123L, CHE 129, CHE 129L, CHE 136	CHE 230, CHE 239, CHE 239L
	ENS 120, ENS 121, ENS 122	ENS 212, ENS 217, ENS 216, ENS 221
	CIS 125, CIS 126, CIS 130, CIS 135	CIS 233, CIS 240, CIS 283, CIS 285, CIS 286, CIS 288
	CNT 125, CNT 135	CNT 225, CNT 235, CNT 250
	MTH 115, MTH 119, MTH 140, MTH 145	MTH 236, MTH 245, MTH 250, MTH 260
	PHY 116, PHY 116L, PHY 120, PHY 130	PHY 205, PHY 216, PHY 216L, PHY 226, PHY 226L, PHY 236, PHY 236L

*\*Students in this program will not be eligible for 2-Unit CAPE courses. The goal of the program is for students to take courses that are transferable and that broaden their career options. Students must plan coursework along lines of interest and ability to meet prerequisites with the guidance of the academic advisor.*

Academic Advisor:						School Year:					
Semester I						Repeated Attempts(if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
*ENG110	College Composition I	3									
COLL 101	College Seminar	1									
*MTH 103/105	Intermediate Algebra or Algebra for the Sciences	3									
THE103	Ignatian Spirituality	3									
Recommended Total Credit Hours											
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program _____New Program ] Date:											
ADVISING											
Date (mm/dd/yr)	Advisor's Signature					Comment/s					

Academic Advisor:						School Year:					
Semester II						Repeated Attempts(if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
**ENG120	College Composition II	3									
**MTH OPEN	Any Other MTH Course	3									
SOC 121	Introduction to Research Methods	3									
Recommended Total Credit Hours											
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes[Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes    [Previous Program New Program ]Date:											
ADVISING											
Date(mm/dd/yr)	Advisor's Signature					Comment/s					

Academic Advisor:						School Year:					
Semester III						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
HIS/**CRS OPEN	Any HIS/CRS Open Elective	3									
PHIL 101	Philosophy of Ethics	3									
CIS OPEN	Any CIS/CGD/CNT Elective	3									
Recommended Total Credit Hours											
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
Program Change: <input type="checkbox"/> No <input type="checkbox"/> Yes [Previous Program New Program ]Date:											
Application for Degree Completion/Graduation: <input type="checkbox"/> No <input type="checkbox"/> Yes                      Response: <input type="checkbox"/> No <input type="checkbox"/> Yes											
If you've done 31 credits or more											

Academic Advisor:						School Year:					
Semester IV						Repeated Attempts (if applicable)					
Course Code	Course Description	Cr	Grade	Sem	Year	Grade	Sem	Year	Grade	Sem	Year
FLA OPEN	Intermediate Spanish or Another Foreign Language	3									
**THE 200 OPEN	Any 200 Level Theology Course	3									
**ENG 200 OPEN	ENG 200 OPEN Literature Course	3									
Recommended Total Credit Hours											
Mid Sem GPA Semester GPA Cumulative GPA _____											
Probationary Status <input type="checkbox"/> No <input type="checkbox"/> Yes [Semester <input type="checkbox"/> or Cumulative <input type="checkbox"/>											
<b>ADVISING</b>											
Date (mm/dd/yr)	Advisor's Signature					Comment/s					