COURSE RECOMMENDATIONS BY MAJOR

Major Course Recommendations and/or information on the following majors:

Accounting (p. 1) Art (p. 1) Biology (p. 1) Business Administration, Accounting, Marketing or Economics (p. 1) Chemistry (p. 2) Chemistry with a Biochemistry Concentration (p. 2)

Dual Degree Program in Engineering with the University of Notre Dame (p. 4) Education (p. 2) Global Studies (p. 3) Mathematics, Statistical and Actuarial Mathematics, Computing and Applied Mathematics, Physics and Applied Mathematics (p. 3) Music, Music Education (p. 3) Nursing Science (p. 3) Physics (p. 3) Pre-Health Professions (p. 4) Speech Language Pathology (p. 4) Undecided (p. 1)

Undecided but not considering any of the majors below

Register for five courses. There are no specific courses required in the first semester, so please choose your courses from the Gen Ed Program Course Offerings. We recommend the following:

- First Year Seminar (FYS) (required for all 1st year students)
- Modern Language
- Three additional Gen Ed courses

If you are interested in a specific major, take a course in that subject. Choose courses you will like. All students must take a First Year Seminar (FYS) in the fall semester. Do not take a class that you suspect will be very difficult for you.

Accounting

Code	Title	Credits
ECON 252	Principles of Microeconomics	3
BUAD 201	Principles of Financial Accounting	3
BUAD 221	Principles of Management (or Spring)	3
First Year Seminar		3
Modern Language		3
AVE 101	College in Practice	1

To be officially accepted into the BBA programs at the <u>end of sophomore</u> <u>year</u>, a student must maintain a 2.5 grade point average in the following courses:

Code	Title	Credits
BUAD 201	Principles of Financial Accounting	3
BUAD 202	Principles of Managerial Accounting	3
BUAD 221	Principles of Management	3
BUAD 231	Principles of Marketing	3
ECON 251	Principles of Macroeconomics	3
ECON 252	Principles of Microeconomics	3

Art, Concentration in Studio Art, Design, or Applied Arts and Design

Code	Title	Credits
ART 101	Drawing I	3
ART 103	Design Lab	3
Chasse three additional sources including on EVC and Madern		

Choose three additional courses including an FYS and Modern Language.

Art, Concentration in Art History

Code	Title	Credits
ART 101	Drawing I	3
ART 241	Art History Survey I	3
Choose three add	itional courses including an FYS and Modern	

Language.

Biology

Modern Language. If you are calculus ready, consult your Summer Advisor about which class to choose. Modern Language should not take priority over BIO, CHEM or MATH.

Business Administration, Marketing or Economics

Code	Title	Credits
ECON 252	Principles of Microeconomics	3
Choose four add Language.	itional courses including an FYS and Modern	
BUAD majors are recommended to complete Math 104 (or higher) in		

the first year. ECON majors are recommended to take MATH 113 or MATH 131

To be officially accepted into the BBA programs at the <u>end of sophomore</u> <u>year</u>, a student must maintain a 2.5 grade point average in the following courses:

Code	Title	Credit
BUAD 201	Principles of Financial Accounting (3)	
BUAD 202	2 Principles of Managerial Accounting (3)	
BUAD 221	Principles of Management (3)	
BUAD 231	Principles of Marketing (3)	
ECON 251	Principles of Macroeconomics (3)	
ECON 252	2 Principles of Microeconomics (3)	

Chemistry

Code	Title	Credits
Fall (First) Semes	ter	
CHEM 121	Principles of Chemistry I	4
Select one of the	following by placement:	4
MATH 131	Calculus I	
MATH 132	Calculus II	
MATH 133	Theory and Application of Calculus	
MATH 231	Calculus III	
If you are not calc	culus ready:	
MATH 103	Precalculus (in the fall)	
Modern Language	e	4
First Year Semina	ar course (FYS)	4
AVE 101	College in Practice	1
AVE 110	Introduction to STEM Studies (highly recommended)	1
Spring (Second) S	Semester	
CHEM 122	Principles of Chemistry II	4
PHYS 121	General Physics I: Mechanics and Waves	4
Select one of the I in the fall:	following by sequence - e.g. Calc II if you took Cal	c 4
MATH 132	Calculus II	
MATH 231	Calculus III	
MATH 326	Linear Algebra and Differential Equations	
Modern Language	e	4
If you took pre-ca	lc (Math 103) in the fall, then:	
MATH 131	Calculus I (in the spring)	

Chemistry with a Biochemistry Concentration

Code	Title	Credits
Fall (First) Semes	ster	
CHEM 121	Principles of Chemistry I	4
BIO 155	Foundations of Molecular Biology	2
BIO 156	Foundations of Ecology and Evolution	2
Select one of the	following by placement:	4
MATH 131	Calculus I	
MATH 132	Calculus II	
MATH 133	Theory and Application of Calculus	
MATH 231	Calculus III ((not required for the major, but may needed for advanced courses))	be
First Year Semina	ir	3
AVE 110	Introduction to STEM Studies (highly recommended)	1
Students intendir sequence in their	ng Biochemistry will take the Modern Language 2nd year	

Spring (Second) Semester		
CHEM 122	Principles of Chemistry II	4
BIO 157	Foundations of Cellular Biology	2
BIO 158	Foundations of Form and Function	2
Select one of the I in the fall:	following by sequence - e.g. Calc II if you took Calc	4
MATH 132	Calculus II	
MATH 231	Calculus III ^{(not} required for the major, but may be needed for advanced courses)	
If you have comp	leted math, then a Gen Ed class	
If you are not cal	culus ready, then see below:	
MATH 103	Precalculus (in the fall)	3
MATH 131	Calculus I (in the spring)	4
CHEM 121	Principles of Chemistry I (take as a sophomore)	4

Education

Education Majors should take MATH 102 or higher in their 1st year. Elementary Education majors must take HIST 201 <u>and</u> HIST 103 or 104. Avoid taking a Social Science course, because Education Majors will earn their Social Science requirement in the major.

Education majors must have a 2.75 cumulative grade point average to be admitted to the major. For additional information, please see the College Bulletin for 2025-2026.

Environmental Studies

In the first year, ENVS students are recommended to take ENVS 161 and/ or ENVS 171. Students should complete the W in the first year. First year students may take ENVS 217.

Exercise Science

If you are interested in the B.A. Health and Fitness concentration (Occupational Therapy, or Athletic Training, or a career in health and fitness)

Code	Title	Credits
BIO 141	Human Anatomy and Physiology I	4
BIO 141L	Human Anatomy and Physiology I Laboratory (Modern Language)	0
Modern Language		3
First Year Semina	r (FYS)	3
PSYC 157	Introduction to Psychology: Science for the Citiz (or other Gen Ed)	zen 3
MATH 104 or W	Finite Mathematics (or higher)	3
AVE 101	College in Practice	1

If you are interested in the B.S. Rehabilitative Science concentration (Physical Therapy, preparation for Medical School, or graduate work in Exercise Science, Kinesiology, Exercise Physiology and related)

Code	Title	Credits
BIO 155	Foundations of Molecular Biology	2
BIO 155L	Foundations of Molecular Biology Laboratory	0
BIO 156	Foundations of Ecology and Evolution	2
BIO 156L	Foundations of Ecology and Evolution Laborato	ry 0
Modern Language		3

First Year Seminar		3
AVE 101	College in Practice	1
AVE 110	Introduction to STEM Studies (recommended)	1
If you math background is strong and you are considered "Calc-ready"		
CHEM 121	Principles of Chemistry I	4
CHEM 121L	Principles of Chemistry I Laboratory	0
If you are not calculus ready, take the following:		
MATH 103	Precalculus	3

Global Studies

Students must have an average grade of C+ (2.33/4.0) or better in Gen Ed modern language courses at the intermediate level for French, German, Italian, or Spanish and at the introductory level for Arabic or Chinese, or equivalent to be accepted into the global studies major. Also, Study Abroad is required for the Global Studies major.

Code	Title	Credits
GLST 250	Global Places, Peoples, and Problems: An Introduction to Global Studies	3
or ANTH 253	Survey I: Culture and Language	
Global Studies ma	ajors are required to take the following courses in	n
the major and mig	ght be good choices in the first year	
HIST 104	World History II	3
POSC 206	International Politics	3
or POSC 207	Comparative Politics	
ECON 251	Principles of Macroeconomics	3

Mathematics, Statistical and Actuarial Mathematics, Computing and Applied Mathematics, Physics and Applied Mathematics

Code	Title	Credits
Select one of the	following (based on placement):	4
MATH 131	Calculus I	
MATH 132	Calculus II	
MATH 133	Theory and Application of Calculus	
MATH 231	Calculus III	
If you are not calc	ulus ready take the following:	
MATH 103	Precalculus (this fall or summer)	3
Or, depending on	placement, MATH 101: College Algebra	
Choose three to four additional courses from the Ged Ed Program Course Offerings		

Music, Music Education

Code	Title	Credits
MUS 181	Patterns in Music 1 Beginning Music Theory	3
MUS 181L	Patterns in Music 1 Lab - Theory 1 Lab	1
MUS 102	Class Piano - Proficiency	1
MUS 100	Recital Forum	0
Select one to two hours of applied music lessons, indicate the instrument or voice in which you intend to major		1-2
Select one hour of choir or instrumental ensemble (Belles Voix, Collegiate Choir, String Ensemble, ND Band, ND Orchestra)		1
Select three additional courses from the Gen Ed Program Course Offerings		

Nursing Science

Code	Title	Credits
BIO 141	Human Anatomy and Physiology I (required in t first semester to be on track for completion of major in four years)	he 4
Modern Language	2	3
First Year Semina recommended in	r (Natural Science not recommended, only SOC Social Science)	3
Select one of the	following (based on placement) or a Sophia cou	rse: 3 or 4
MATH 101	College Algebra (if you place in Math 101 you MUST take it in the fall semester))	
MATH 104 or W	Finite Mathematics	
By the end of the	first year, you should have completed the two-	

By the end of the first year, you should have completed the twosemester modern language requirement, writing proficiency requirement, and MATH 104 or higher.

Admission to the Nursing Science Major

To be officially accepted into the nursing science major at the end of the first semester of the sophomore year, Intended Nursing majors must achieve a 2.8 cumulative grade point average and a 2.8 cumulative grade point average in the science prerequisite courses.

Nursing majors must maintain a 2.8 cumulative grade point average and a 2.8 cumulative grade point average in the science prerequisite courses in order to progress into the NURS courses in the second semester of the sophomore year.

Physics

Code	Title	Credits		
Fall (First Semest	Fall (First Semester)			
CHEM 121	Principles of Chemistry I	4		
Select one of the	following by placement:	4		
MATH 131	Calculus I			
MATH 132	Calculus II			
MATH 133	Theory and Application of Calculus			
MATH 231	Calculus III			
Modern Language	2	3		
First Year Semina	r (Natural Science not recommended)	3		
AVE 101	College in Practice	1		
AVE 110	Introduction to STEM Studies	1		
Spring (Second Second Se	emester)			
PHYS 121	General Physics I: Mechanics and Waves	4		
CHEM 122	Principles of Chemistry II	4		
Select one of the t in the fall):	following by sequence (e.g. Calc II if you took Ca	lcI 4		
MATH 132	Calculus II			
MATH 231	Calculus III			
MATH 326	Linear Algebra and Differential Equations			
Or if you have co	ompleted math, then a "W" class	4		
Modern Language				

Speech Language Pathology

Saint Mary's College offers two programs of study in speech language pathology: a four year BA and a 4+1 BA-MS.

The course schedule for these programs is sequenced. This means that most required courses have prerequisites, where it is important to take courses in a specific order, as this provides the students with the appropriate steps in their learning process in order to acquire the knowledge and skills required to complete their clinical practicum in their senior year and prepare for graduate work. In the first year of studies, students interested or intended in either speech language pathology programs should consider the following courses:

Code	Title	Credits	
Fall (First Semest	er)		
Gen Ed Math or Ba	asic W	3	
Modern Language	21	3	
First Year Semina	r (Social Science not recommended)		
PSYC 157	Introduction to Psychology: Science for the Citia (or other gen ed course)	zen 3	
SLP 220	Introduction to Communicative Disorders (fall o spring)	ır 3	
Spring (Second Semester)			
Modern Language	e	3	
SLP 230	Anatomy and Physiology of the Speech and Hearing Mechanism (if recommended)	3	
Gen Ed Math or Basic W		4	

Criteria for continuation into the speech language pathology (SLP) 4+1 program include a minimum prerequisite SLP GPA of 3.25 and a cumulative grade point average of 3.0 at the end of the first semester of junior year.

Dual Degree Program in Engineering with the University of Notre Dame

Engineering majors must also have a Saint Mary's major, which is typically chemistry (CHEM), mathematics (CAM, MATH, PAM), or physics (PHYS).

Code	Title	Credits
Fall (First) Semes	ter	
CHEM 121	Principles of Chemistry I (with lab)	4
First Year Semina MUSC	r only with pre-fix ENLT, HIST, SOC , THTR, ART,	3
Modern Language	21	3
Select one of the	following MATH courses by placement:	4
MATH 131	Calculus I	
MATH 132	Calculus II	
MATH 133	Theory and Application of Calculus	
MATH 231	Calculus III	
AVE 101	College in Practice	1
AVE 110	Introduction to STEM Studies	1
Spring (Second) Semester		
CHEM 122	Principles of Chemistry II (with lab)	4
PHYS 121	General Physics I: Mechanics and Waves (with I	ab) 4
Select one of the following MATH courses by sequence:		4
MATH 132	Calculus II	

MATH 231	Calculus III	
MATH 326	Linear Algebra and Differential Equations	
Modern Language II		3
Basic Writing (W)		4

DUAL DEGREE IN ENGINEERING PROGRAM

Saint Mary's College and the University of Notre Dame offer a Five- Year Dual Degree Program in Engineering, leading to a bachelor's degree from Saint Mary's at the end of the fourth year, and a second bachelor's degree from the University of Notre Dame in one of the engineering programs at the end of the fifth year. To be eligible for this five-year program, the student must be calculus ready as a first-year student.

Saint Mary's students who participate in this program work with the Engineering Program Director. They take pre-engineering courses (e.g., calculus, physics, chemistry) at Saint Mary's and engineering courses at Notre Dame, in addition to the courses required to satisfy degree requirements of a major at Saint Mary's College. At the end of her fourth year, the student applies for transfer to the College of Engineering at the University of Notre Dame.

Notre Dame courses are used as electives to satisfy Saint Mary's degree requirements, and Saint Mary's courses are used as electives to satisfy Notre Dame's degree requirements. Some related options include: a chemistry major at Saint Mary's and a chemical engineering major at Notre Dame, a computer and applied mathematics major at Saint Mary's and a computer science engineering major at Notre Dame, a physics and applied mathematics major at Saint Mary's and an electrical engineering major at Notre Dame, and a physics major at Saint Mary's and a mechanical engineering major at Notre Dame.

A Saint Mary's student must have completed at least 96 semester hours with a cumulative GPA of 2.8 or higher (technical and overall) for acceptance to Notre Dame at the end of her fourth year. For this reason, to be "accepted" into the engineering program in the sophomore year a student must have at least a cumulative GPA of 2.8 or above (technical and overall) and must maintain a 2.8 cumulative GPA to remain in the program. This strenuous program will demand the best effort of wellprepared and well-motivated students. Consultation with the program director and careful scheduling of courses on both campuses must be conducted each semester. For additional information, please see the College Bulletin for 2024-2025.

Pre-Health Professions

Students can enter a health professions graduate program from a completed major in any discipline at Saint Mary's College as long as they do well. Students should strive for a cumulative GPA of 3.6 or better to be competitive. All graduate health professions programs require an admission test in spring of the junior year or summer after the junior year. These include but are not limited to the MCAT for medical and podiatry school, DAT for dental school, GRE for vet school, OAT for optometry, PA-CAT or GRE for physician assistant studies, and GRE for most of the others.

Once students have established themselves academically (typically after the first full year of course work), they should begin to get involved in on or off-campus activities where they are truly contributing. Leadership and service are important. This includes demonstrating an ability to work with all kinds of people. Most of the health professions programs do want some hours of shadowing or volunteering in a medical setting similar to their interests. Research experience is strongly encouraged for many health professional programs. Students should be aware of any such requirements.

A basic core of courses is required for health professions programs, all of which can be taken at Saint Mary's College. All pre-health students, no matter the program, should plan to take the following listed below during their first semester at Saint Mary's:

Code	Title	Credits
BIO 155 & BIO 156	Foundations of Molecular Biology and Foundations of Ecology and Evolution	4
CHEM 121	Principles of Chemistry I *	4
Modern Language I		3
First Year Seminar (FYS)		
Also choose 1-2 additional Gen Ed courses		
*If the student is not Calculus ready, the student must take the following instead of CHEM 121:		
MATH 103	Precalculus ^(in the fall of their first year)	3
If the student is C	alculus ready it is imperative that they take	

If the student is Calculus ready, it is imperative that they take CHEM 121 in their first year to be able to apply to enter their professional program directly after graduation from Saint Mary's. If the student is not Calculus ready, but would like to enter their health professional program right after graduation from Saint Mary's, the student should plan to take MATH 103 during the summer online through Saint Mary's.

These courses are prerequisites necessary for all health professional programs. Details on future courses for specific health professions can be found in the College Bulletin.

Saint Mary's College is an affiliate in the Lake Erie College of Medicine Early Acceptance Program in which students can be accepted early into either their medical, dental, podiatry, or pharmacy programs. Saint Mary's College students can apply for this program as incoming first year students through the end of their sophomore year. Applicants must meet these general requirements:

- Must be a U.S. citizen or permanent resident (international students may apply to Pharmacy);
- · Must not hold a bachelor's degree or higher;
- Must have at least two years remaining as a full-time student at the undergraduate institution;
- SAT score (Math and Verbal Reasoning) greater than or equal to 1170 on a single exam taken before 3/1/2016, an SAT score of 1240 or higher on a single exam taken after 3/1/2016 or an ACT composite score greater than or equal to 26 on a single exam;
- · A high school GPA of 3.5 or higher on a 4.0 scale;
- Students already attending the affiliate institution must have a cumulative overall GPA of 3.4 or higher and a science GPA of 3.2 or higher.

All interested students should contact Dr. Versagli (cversagli@saintmarys.edu) as soon as possible.