

IUPUI Degree Map

Major: Mathematics – Purdue University Bachelor of Science (Applied Math Concentration)
Catalog Year: 2014-2016

First Year							
Fall Semester				Spring Semester			
Description	Course	Credits	Minimum Grade	Description	Course	Credits	Minimum Grade
Major GE Analytical/Math	MATH 16500	4	C	Major	MATH 16600	4	C
Major	MATH 17100	3	C	SoS Computer Prog GE Analytical Reasoning	CSCI 23000	4	C
SoS Comm GE Core Comm	ENG-W131	3	C	SoS Comm GE Core Comm	COMM-R110	3	
WLAC GE Cultural Understanding	ASL, Arabic, Chinese, FREN, GER, ITAL, Japanese, Latin, SPAN	4		SoS Phys/Biol Sci GE Life/Physical Sci	Choose from approved list	3	
SoS First Yr Seminar	SCI-I120	1		WLAC	ASL, Arabic, Chinese, FREN, GER, ITAL, Japanese, Latin, SPAN	4	
Total Credits	15			Total Credits	18		
Cumulative Total	15			Cumulative Total	33		
Second Year							
Fall Semester				Spring Semester			
Description	Course	Credits	Minimum Grade	Description	Course	Credits	Minimum Grade
Major	MATH 26100	4	C	Major	MATH 26600	3	C
Major	MATH 30000	3	C	Major	MATH 35100	3	C
SoS Phys/Biol Sci GE Life/Phys Sci	PHYS 15200	4		Major	Secondary Area Elective	3	
SoS Communication	2 nd Written Comm	3	C	SoS Phys/Biol Sci	PHYS 25100	5	
Major	Secondary Area Elective	3					
Total Credits	17			Total Credits	14		
Cumulative Total	50			Cumulative Total	64		

Third Year							
Fall Semester				Spring Semester			
Description	Course	Credits	Minimum Grade	Description	Course	Credits	Minimum Grade
Major	MATH 44400	3	C	Major	MATH 42600	3	C
Major	MATH/STAT Seq or Elect.	3	C	Major	MATH/STAT Seq or Elect.	3	C
Major	Secondary Area Electives	6		Major	Secondary Area Electives	6	
GE Arts & Hum/SS	Choose from approved list	3		SoS Phys/Biol Sci	Choose from approved list	3	
Total Credits	15			Total Credits	15		
Cumulative Total	79			Cumulative Total	94		
Fourth Year							
Fall Semester				Spring Semester			
Description	Course	Credits	Minimum Grade	Description	Course	Credits	Minimum Grade
Major	MATH 41400	3	C	Major	MATH 49200	2	C
Major	MATH 42300 or 42100	3	C	Major	MATH/STAT Seq or Elect	3	C
				GE Arts & Hum/SS	Choose from approved list	6	
SoS	Free Electives	6		SoS	Free Electives	3	
				Candidate for Graduation	CAND 99100	0	
Total Credits	12			Total Credits	14		
Cumulative Total	106			Cumulative Total	120		

- **Critical Courses are printed in bold font.** Critical courses are required within the first two years of a degree program and are expected to be taken in the semester designated (or sooner) as they either serve as an important prerequisite or provide foundational knowledge for the degree program.
- This plan is based upon the expectation that students will complete an average of 30 credits hours of course work per year. Enrollment in summer terms may be necessary to ensure on-time graduation.
- A minimum of 120 credits required.
- Overall 2.0 GPA required.
 - For details about minimum grade requirements, consult advisor.
- 32 hours at the 300+ level completed at IUPUI required.
- Maximum 6 hours of clinical, athletic, visual or performing arts.
- Minimum grades are listed for select courses. However, please note that a minimum overall GPA of 2.0 and a minimum major GPA of 2.5 are expected despite minimal grade requirements.

Key to Abbreviations

GE – General Education Common Core Requirement
SoS – Baccalaureate Requirement
Major – Program Requirement
WLAC – World Languages and Cultures
Hum – Humanities

Comm - Communication
Phys - Physical
Sci - Science
Biol – Biological
SS – Social Sciences