PSU ID Number: E-Mail:		
Adviser:		
Program Year:		
Year Intending to Graduate:		
I. GENERAL EDUCATION COMPON	IENTS	
47 Credits		
WRITING/SPEAKING (GWS) – 9 Credits		
ENGL 15 or ENGL 30	(3)	
ENGL 202C CAS 100	(3) (3)	
CAS 100	(3)	
QUANTIFICATION (GQ) – 8 Credits		
§ <sup>E</sup> MATH 140 § <sup>E</sup> MATH 141	(4)	
§ MATH 141	(4)	
NATURAL SCIENCES (GN) - 9 Credits		
Select 8 credits in one of the following sequences		
a. BIOL 110 BIOL 220W	(4)	
b. CHEM 110	(4)(3)	
CHEM 111	(1)	
CHEM 112	(3)	
CHEM 113	(1)	
c. PHYS 211	(4)	
PHYS 212 d. PHYS 250	(4)	
PHYS 251	(4)	
11115 <b>2</b> 01	(.)	
	(1)	
ARTS (GA) – 6 Credits		
	(3)	
<del></del>	(3)	
HUMANITIES (GH) – 6 Credits		
	(3)	
<del></del>	(3)	
SOCIAL & BEHAVIORAL SCIENCES (GS) – 6	6 Credits	
	(3)	
	(3)	
HEALTH AND PHYSICAL ACTIVITY (GHA)	- 3 Credits	
	( )	
	()	
<del></del>	( )	
*United States Cultures (US)	(3) (3)	
*International Cultures (IL)	(3)	
*These requirements may be fulfilled by courses tha to satisfy the GA, GH, or GS requirements.	t have been used	

Student:

# MATHEMATICS (MTHBD) Pure Mathematics Option (B.S., 120 Credits)

	SEMINAR / ELECTIVES 3 Credits
PSU 007	(1) ()
	( )
~	NTS FOR THE MAJOR Credits
§ CMPSC 121 § CMPSC 122 § MATH 220 § MATH 230 § MATH 251 § MATH 311W § MATH 312 § STAT 301 § STAT 401	(3) (3) (2) (4) (4) (4) (3) (3) (3)
	REQUIREMENTS Credits
Pure Math Courses – Select 9 (  § MATH 421 (3)  § MATH 426 (3)  § MATH 427 (3)  § MATH 429 (3)  Additional Courses – Select 18	redits from the following:  § MATH 435(3)  § MATH 436(3)  § MATH 465(3)  8 credits from the following:
\$ MATH 310(3) \$ MATH 412(3) \$ MATH 421 †(3) \$ MATH 426 †(3) \$ MATH 427 †(3)	§ MATH 482(3) § STAT 414(3)

† Any course used to fulfill the 9 credits of Pure Math Courses requirement may not be used to fulfill the 18 credits of Additional Courses requirement.

§ STAT 466

\_\_(3)

§ MATH 435 † \_\_\_\_\_ (3) § STAT 462

§ MATH 436 † \_\_\_\_\_ (3) § STAT 464

<u>Supporting Courses & Related Areas</u> – Select 9 credits from Schoolapproved list.

§	(3)
§	(3)
8	(3)

## Choices Include:

All 300- and 400-level courses in BIOL, CHEM, MATH, PHYS, and STAT, but no more than 3 credits of any 495 can be used as supporting courses.

CMPSC 102, CMPSC 221 and all 300- and 400-level CMPSC courses, with the exception of CMPSC 360.

ACCTG 201, ACCTG 204, or ACCTG 211.

All 200- and above level courses in MIS.

All SCM courses, with the exception of SCM 200.

All 300- and 400-level courses in ECON and FIN.

BA 241 and BA 242.

All MGMT and MRKTG courses.

All ME, EE, and EMCH courses.

PHIL 010 and PHIL 012.

#### CODES:

§ Grade of "C" or higher required.

<sup>E</sup> Required for entrance to major.

## NOTES:

- In order to be eligible for entrance to the mathematics major, a student must have attained at least a 2.00 cumulative GPA and completed MATH 140 and 141 earning a grade of C or better in both courses.
- Students graduating from this major must achieve a minimum grade-point average of 2.00 and earn a grade of C or better in all 300- and 400-level courses within the Prescribed, Additional, and Supporting courses as specified in Senate Policy 82-44. If a student receives a grade below C, s/he must repeat that course or a School approved alternative and earn a grade of C or better.
- Students should inquire whether their supporting courses count toward a minor or a certificate.
- Courses with a US/IL designation may also be used to satisfy a GA/GH/GN requirement. A course with a US and IL designation may not be used to satisfy both US and IL courses. A student needs at least one course with the US designation and one course with the IL designation.
- A student must earn at least a total of 120 credits for graduation.

# SCHEDULING PATTERNS:

Some courses are offered only in the fall or in the spring semester, and some upper-level courses are offered in alternate year pattern. This scheduling pattern is tentative and subject to change.

- Every Fall MATH 312, MATH 455
- Every Spring STAT 401
- Fall of Even Years MATH 427, MATH 428, MATH 465, STAT 462
- Spring of Odd Years MATH 421, MATH 436, MATH 449, STAT 461, one of either MATH 426 or MATH 497
- Fall of Odd Years MATH 412, MATH 435, STAT 414
- Spring of Even Years MATH 310, MATH 429, MATH 456, MATH 482, one of either STAT 464 or STAT 466