INTERDISCIPLINARY SCIENCES DEGREE PROGRAM WORKSHEET

Student Name: **Advisor:**
Target Graduation Date: **Specialization: Pre-Professional Health Sciences Pre-Dental**

Copies of this degree program worksheet are to be maintained by both the student and the advisor. It is to be submitted with the student's Letter of Intent no later than one year before intended graduation. See deadlines for submission of Letter of Intent listed on page 5.

All IS specializations require a minimum of **60 semester hours** of math, computer science, and the natural sciences, which includes a minimum of 12 hours math/computer science and a minimum of 30 hours natural sciences, 12 of which must be at the upper division.

I. MATH/COMPUTER SCIENCE (minimum of 12 sem. hrs.) *Check General Ed. list of courses.* No duplicate credit is given for MATH 115 and MATH 120.

A. Mathematics (minimum of 3 sem. hrs.) MATH 102 & MATH 120 are not required but may need to be taken based on placement scores. MATH 123 is required for all IS specializations.

Course	Title	Credits	Semester Completed	Transfer/Comments	Use X for courses taken for Gen Ed
MATH 102/102L	College Algebra and Lab (3/1)				
MATH 120	Trigonometry (3)				
MATH 123	*Calculus I (4)*				
MATH 281	Introduction to Statistics			Recommended but not required.	
	Lower-division Math Total	0	(3 sem. hrs. minimum)		

Course	Title	Credits	Semester Completed	Transfer/Comments	
	Upper-division Math Total	0			
	Math Subtotal	0	(3 sem. hrs. minimum)		

B. Computer Science (As of FALL 2013, recommended but not required)

Course	Title	Credits	Semester Completed	Transfer/Comments	
				If the student wishes to take a programming course,	
				CSC 111/111L (2cr) is recommended.	
	Comp. Sci. Subtotal	0			
	Math/Comp. Sci. Total	0	(12 sem. hrs. minimum)		

Courses in italics are required for the Pre-Professional Health Sciences Specialization--Pre-Dental

II. NATURAL SCIENCES (minimum of 30 sem. hrs., 12 of which must be upper division)
Any courses with ATM/Meteorology, Biology, Chemistry, Geology, Paleontology, or Physics prefix apply. There must be at least 3 sem. hrs. in Biology, 3 sem. hrs. in Chemistry (CHEM 112 or higher), and a 6-sem. hrs. sequence in one of the sciences including at least 1 sem. hr. of laboratory. NOTE: CHEM 106 and PHYS 111 may be used only for elective credit when CHEM 112 and PHYS 211 are taken to fulfill the Science requirement. ***Check for 6 sem hrs. of General Education approved courses.***

Lower-division Sciences (Courses numbered 100-299)

Course	Title	Credits	Semester Completed	Transfer/Comments	Use X for courses taken for Gen Ed
BIOL 151/151L	*General Biology I and Lab (3/1)*				
BIOL 153/153L	*General Biology II and Lab (3/1)*				
BIOL 221/221L	*Human Anatomy and Lab (3/1)*				
CHEM 112/112L	*General Chemistry I and Lab (3/1)*				
CHEM 114/114L	*General Chemistry II and Lab (3/1)*				
PHYS 111/111L	*Intro to Physics I and Lab(3/1) and*			*Or, PHYS 211 University Physics I (3)*	
PHYS 113/113L	*Intro to Physics II and Lab(3/1)*			*Or, PHYS 213/213L Univ. Physics II and Lab(3/1)*	
	Lower-division Sciences Total	0			

Upper-division Sciences (minimum of 12 sem. hrs.)
(Courses numbered 300 and above)

Course	Title	Credits	Semester Completed	Transfer/Comments
BIOL 326/326L	*Medical Physiology and Lab (3/1)*			Recommended or required by most dental schools
CHEM 326/326L	*Organic Chemistry I and Lab (3/2)*			Required by most dental schools
CHEM 328/328L	*Organic Chemistry II and Lab (3/2)*			Required by most dental schools
CHEM 464	Biochemistry			Required by some dental schools
				Recommended:
				BIOL 331/331L Microbiology and Lab (3/1)
				BIOL 371/371L Genetics and Lab (3/1)
	Upper-division Sciences Total	0	(12 sem. hrs. minimum)	

Natural Sciences Total **0** (30 sem. hrs. minimum)

III. IS CORE COURSES (Required for graduation. IS 110 is no longer required but may be used as an elective if already taken.)

Course	Title	Credits	Semester Completed	Transfer/Comments
IS 110	Explorations (2)			
IS 201	*Intro to Science, Tech, & Society (3)*			Sophomore standing is required.
IS 401	*Writing & Research in the Inter. Sci. (3)*			
IS 498	*Undergraduate Research/Scholarship(3)*			
	IS Core Courses Total	**0**	(9 sem. hrs. required)	

IV. PHYSICAL EDUCATION (As of SU 2012, PE courses are no longer required but may be used as electives.)

Course	Title	Credits	Semester Completed	Transfer/Comments
MUEN 101	Choral Ensembles (1 to 2)			
MUEN 122	Concert Band (1)			
PE 100				
PE 100				
PE 103	Nutrition for Everyday Living			
PE 105	Wellness and Physical Fitness			
PE 113	Varsity Sport			
	Physical Education Total	0	(No minimum)	

Courses in italics are required for the Pre-Professional Health Sciences Specialization--Pre-Dental

V. WRITING & COMMUNICATION (All three required, 9 sem. hrs.)

Course	Title	Credits	Semester Completed	Transfer/Comments
ENGL 101	*Composition I (3)*			
ENGL 279	*Technical Communications I (3)*			Sophomore standing is required.
ENGL 289	*Technical Communications II (3)*			
	Writing & Communication Total	0	(9 sem. hrs. required)	

VI. HUMANITIES & SOCIAL SCIENCES (24 sem. hrs. required)

A. Humanities (minimum 12 sem. hrs.) ARTH, ENGL,FREN,GER,HUM,MUS,MUEN,MUAP,PHIL,SPAN

NOTE: There must be 6 sem. hrs. from approved General Ed list, and at least 6 sem. hrs. of Upper Division. Not all courses taught by Humanities faculty count for Humanities credit--check catalog. Beginning Fall 1999, HIST 121 & 122 will count only as Humanities credits.

Lower-division Humanities (minimum of 6 sem. hrs.)

Course	Title	Credits	Semester Completed	Transfer/Comments	Use X for courses taken for Gen Ed
	Lower-division Humanities Subtotal	0	(6 sem. hrs. minimum)		

Upper-division Humanities--courses numbered 300 - 400 (minimum of 6 sem. hrs.)

Course	Title	Credits	Semester Completed	Transfer/Comments
	Upper-division Humanities Subtotal	0	(6 sem. hrs. minimum)	
	Humanities Total	**0**	(12 sem. hrs. minimum)	

B. Social Sciences (minimum 12 sem. hrs.) ANTH, ECON, GEOG, HIST, LAW, POLS, PSYC, SOC

NOTE: There must be 6 sem. hrs. from approved General Ed list, and at least 6 sem. hrs. of Upper Division. Not all courses taught by Social Sciences faculty count for Social Sciences credit--check catalog. Beginning Fall 1999, HIST 121 & 122 will count only as Humanities credits.

Lower-division Social Sciences (minimum of 6 sem. hrs.)

Course	Title	Credits	Semester Completed	Transfer/Comments	Use X for courses taken for Gen Ed
	Lower-division Social Sciences Subtotal	0	(6 sem. hrs. minimum)		

Upper-division Social Sciences--courses numbered 300 - 400 (minimum of 6 sem. hrs.)

Course	Title	Credits	Semester Completed	Transfer/Comments
				Check admissions requirements/recommendations for
				psychology/sociology coursework.
	Upper-division Social Sciences Subtotal	0	(6 sem. hrs. minimum)	

Social Sciences Total **0** (12 sem. hrs. minimum)

Humanities and Social Sciences Total **0** (24 sem. hrs. minimum)

VII. PROGRAM-APPROVED ELECTIVES >>>Students are encouraged to consult the admissions requirements of medical school programs to determine which elective courses will be most useful.

A. 100-299 Elective courses

Course	Title	Credits	Semester Completed	Transfer/Comments
	Lower-division Electives Subtotal	0		

B. 300 and above Elective courses

Course	Title	Credits	Semester Completed	Transfer/Comments
	Upper-division Electives Subtotal	0		

Program-approved Electives Total 0

VIII. UPPER-DIVISION COURSE TOTAL

300-499 Sciences	0	(12 sem. hrs. min.)
IS 401	0	(3 sem. hrs.)
IS 498	0	(3 sem. hrs.)
300-499 Humanities	0	(6 sem. hrs. min.)
300-499 Social Sciences	0	(6 sem. hrs. min.)
300-499 Electives	0	
Total Upper-division Credits	**0**	(36 sem. hrs. minimum)

IX. GENERAL EDUCATION REQUIREMENTS CHECK LIST

Check the approved list of general education courses. These are the only courses which count. These are to be completed in the first 2 years. **ENTER ONLY THE MINIMUM NUMBER OF CREDITS REQUIRED**.

Goal 1 and 2	ENGL 101	0	***List specific courses, including COURSE PREFIX, course number, and complete course title, on lines below.***
	ENGL 279	0	
	ENGL 289	0	
Goal 3 Social Sciences -- 6 sem. hrs. in 2 disciplines			
Goal 4 Humanities -- 6 sem. hrs. in 2 disciplines			
Goal 5 Mathematics -- 3 sem. hrs.			
Goal 6 Sciences -- 6 sem. hrs. including 1 laboratory			
	General Ed. Total	0	(30 sem. hrs. minimum)

Courses in italics are required for the Pre-Professional Health Sciences Specialization--Pre-Dental

X. DEGREE CHECK SUMMARY FOR Pre-Professional Health Science--Pre-Dental

A. Math/Computer Science			
1. Lower-division Math (3 sem. hrs. minimum)	0		
2. Upper-division Math	0		
3. Computer Science	0		
Math/Comp. Sci. (12 sem. hrs. minimum)	0		
			Use X to indicate minimum requirement met.
B. Natural Sciences (check for 6 hr. sequence)			
1. Lower-division sciences	0	*Biology (3 cr.)*	
2. Upper-division sciences (12 sem. hrs. min.)	0	*Chemistry (3 cr.)*	
Natural Sciences (30 sem. hrs. minimum)	0	*Science (6 cr. hr. sequence)*	
		Lab (1 cr.)	
Math/Comp. Sci. & Natural Sciences (60 sem. hrs. min.)	0		
C. IS Core Courses			
1. IS 110 (2 cr--May be used as elective credit.)	0		
2. IS 201 (3)	0		
3. IS 401 (3)	0		
4. IS 498 (3)	0		
IS Core Courses (9 sem. hrs. minimum)	0		
D. Physical Education (No longer required--elective credit only.)	0		
E. Writing and Communication (9 sem. hrs. minimum)	0		
F. Humanities and Social Sciences			
1. Humanities (12 sem. hrs. min. including 6 U.D.)	0		
2. Social Sciences (12 sem. hrs. min. incl. 6 U.D.)	0		
Humanities & Social Sciences (24 sem. hrs. min.)	0		
G. Program-approved Electives	0		
Total Credits Required for Graduation	**0**	**120 minimum**	

XI. ADDITIONAL REQUIREMENTS

The completed IS Degree Program Worksheet and the Letter of Intent must be submitted to the IS Office no later than one year before intended date of graduation. This plan of study consists of the reasons for pursuing the IS degree, the specialization chosen, and the reasons for selecting that specialization. This must be done in consultation with assigned IS advisor. Advisor's signature is required.

Deadlines for submission of IS Degree Program Worksheet and Letter of Intent:
May graduation--April 30 of preceding year;
August graduation--July 30 of preceding year;
December graduation--November 30 of preceding year

This form may be found at http://is.sdsmst.edu

Courses in italics are required for the Pre-Professional Health Sciences Specialization--Pre-Dental