



**2011-2012 BS Management Science Degree Plan
BS Math with Operations Research Specialization Dual Degree**

Last	First	Middle	SMU Student ID
------	-------	--------	----------------

Dallas Address	Phone Number	Advisor
----------------	--------------	---------

General Education Curriculum (GEC): From Fall 2011 through Summer 2012

Courses	Hours	Semester & Year	Grade
ENGL 1301 – Written English I	3		
ENGL 1302 – Written English II	3		
Perspectives ¹ – Arts			
Perspectives ¹ – Literature			
Perspectives ¹ – Religious & Philosophical Thought			
Perspectives ¹ – History			
Perspectives ¹ – Politics & Economics (ECO 1311)			
Perspectives ¹ – Behavioral Sciences			
Cultural Formations	3		
Cultural Formations	3		
Human Diversity requirement fulfilled by:	*****		
Wellness I	1		
Wellness II	1		
TOTAL	29		

MAJOR

Courses	Hours	Semester & Year	Grade
EMIS 1360 – Introduction to Management Science	3		
EMIS 2360 – Engineering Economy	3		
EMIS 3360 – Operations Research	3		
EMIS 3361 – Stochastic Models in Operations Research	3		
CEE 3302 – Engineering Communications	3		
EMIS 3308 – Engineering Management	3		
EMIS 3309 – Information Engineering & Global Perspectives	3		
CSE 4360 -- Technical Entrepreneurship	3		
EMIS 3340 or 5370 or STAT 4340 or CSE 4340 Statistical Methods	3		
EMIS 4395 – Senior Design	3		
EMIS 5362 – Production Systems Engineering	3		
EMIS 53XX	3		
CSE 1341 – Principles of Computer Science 1	3		
CSE1342 – Programming Concepts	3		
TOTAL	42		

MATHEMATICS

Courses	Hours	Semester & Year	Grade
MATH 1337 – Calculus with Analytic Geometry I	3		
MATH 1338 – Calculus with Analytic Geometry II	3		
MATH 2339 – Calculus with Analytic Geometry III	3		
MATH 2343 – Differential Equations	3		
MATH 3315 – Introduction to Scientific Computing	3		
MATH 3353 – Introduction to Linear Algebra	3		
MATH 3000 Level or Above	3		
MATH 5315 or MATH 5316 or MATH 5332 or MATH 5353	3		
TOTAL	24		

NATURAL SCIENCE/SOCIAL SCIENCE

Courses	Hours	Semester & Year	Grade
Natural Science from Group 1 (with a lab) ²	3		
Natural Science from Group 1 (with a lab) ²	3		
Natural or Social Science or Technology from Group 1, 2 or 3 ^{2,3,4} (ECO 1312)	3		
Natural Science or Social Science or Technology from Group 1, 2 or 3 ^{2,3,4}	3		
Natural Science or Social Science or Technology from Group 1, 2 or 3 ^{2,3,4}	3		
TOTAL	15		

BUSINESS

Courses	Hours	Semester & Year	Grade
ACCT 2301 – Fundamentals of Accounting I	3		
MKTG 3340 – Fundamentals of Marketing	3		
MNO 3370 – Management of Organizations	3		
TOTAL	9		

ELECTIVES

Courses	Hours	Semester & Year	Grade
Elective ⁵	3		
TOTAL	3		

Total TCH: _____ (Minimum 122)

White Degree Plan (For advising ONLY!)

Blue Degree Plan (For graduating seniors ONLY: Due at the beginning of the graduating semester.)

GRADUATION CERTIFICATION:

Advisor Date

Dept. Chair or Associate Chair Date

Assistant Dean

¹All students are exempt from 3 hours of Perspectives for a total of 15 hours. One of the selections for Perspectives or Cultural Formations must satisfy the Human Diversity Co-Requirement.

²Group 1: BIOL 1401, BIOL 1402, CEE 1331, CHEM 1303/1113, CHEM 1304/1114, GEOL 1301, GEOL 1305, GEOL 1307, GEOL 1308, GEOL 1313, GEOL 1315, GEOL 2320, PHYS 1303/1105, PHYS 1304/1106.

³Group 2: Chosen from above or ANTH 2315, ANTH 2363, CEE 1301, CEE 1378, CSE 1331, EE 1301, EE 1382, ME 1301, ME 1202/1102, ME 1303, PHYS 1403, 1404

⁴Group 3: Other courses in Anthropology, Economics, Psychology, or Sociology.

⁵All electives must be approved by the student's advisor.