

PROGRAM SHEET

BACHELOR OF SCIENCE IN ENGINEERING AND MANAGEMENT SCIENCE

(BSEMS)

Catalog 2010-2012

| ❖ SSK 1211 | Strategic Learning for University Success (Pre-requisite: Successful completion of at least three Language Center level I courses) | 2 SCH | Met □ not Met □ |
|--|--|-------|-----------------|
| ❖ SSK 1212 | Information Literacy Skills (Pre-requisite: Successful completion of SSK1211 and all Language Center level II courses except AWT1002) | 2 SCH | Met □ not Met □ |
| SSK 1213 | Critical Thinking and Analysis (Pre-requisitet: SSK 1212 & ENG1301) | 2 SCH | Met □ not Met □ |
| *ARB 1310 or ARB 1320 | Arabic for Academic Purposes Arabic for Communication Purposes | 3 SCH | Met □ not Met □ |
| *FRN 2310 or FRN 3310 | French for Academic Purposes II Advanced French Writing and Speaking Skills | 3 SCH | Met □ not Met □ |
| CSC 1401 | Computer Programming | 4 SCH | Met □ not Met □ |
| COM 1301 | Communication Through Speaking (Pre-requisite: ENG 1301) | 3 SCH | Met □ not Met □ |
| ENG 1301 | English Composition I (Pre-requisite: Pass all Language Center Modules) | 3 SCH | Met □ not Met □ |
| ENG 2303 | Technical Writing (Pre-requisites: Successful completion of all SSK courses, ENG 1301 and COM 1301) | 3 SCH | Met □ not Met □ |
| HIS 1301 or **HIS1302(Arb)or HIS 2301 or PSC 2301 | History of the Arab World in English (<i>Pre-requisite: SSK1212</i>) or History of the Arab World in Arabic , (<i>equivalent to HIS 1301</i>), or Contemporary World History (<i>Pre-requisite: ENG 1301</i>) or Comparative Political Systems (<i>Pre-requisite: ENG 1301 & SSK 1213 Pre-or-co requisite</i>) | 3 SCH | Met □ not Met □ |
| HUM 3302 or **HUM 3303 or | Introduction to the Study of Islamic Civilization in English (<i>Pre-requisite: Junior Classification</i>) or Introduction to the Study of Islamic Civilization in Arabic), (<i>Pre-requisite:</i> | | |
| HUM3301/ **HUM 3304 | Junior Classification) or Introduction to Islamic Art & Architecture in English(Pre-requisite: Junior Classification) Introduction to Islamic Art & Architecture in Arabic | 3 SCH | Met □ not Met □ |
| LIT2301or **LIT 2304 or LIT 2305 | Major Works of World Literature (equivalent to ARB 2305/LIT 2305) (Prerequisite: Sophomore Classification and ENG 1301 & Pre-or- co requisite: SSK 1213),or Introduction to Arabic Literature(equivalent to ARB 2304), or Introduction to World Literature in Arabic (equivalent to ARB 2305/LIT 2301) | | |
| HUM 3305 or HUM 3306 or PHI 2301 or PHI 2302 | Science and Society (Pre-requisite: Junior Classification) or Comparative Religion (Pre-requisite: Junior Classification) or Philosophical Thought (Pre-requisite: ENG 1301 & SSK 1213 Pre-or- co requisite), or History of Ideas (Pre-or- co requisite: SSK 1213) | 3 SCH | Met □ not Met □ |
| MTH 1303 | Differential and Integral Calculus (Pre-requisites: Working knowledge of algebra, trigonometry and analytical geometry). | 3 SCH | Met □ not Met □ |
| CHE 1401 | General Chemistry I, | 4 SCH | Met □ not Met □ |
| SOC1301 or SSC1310 or GEO 1301 or PSY 1301 | Introduction to Sociology (Pre-requisite: SSK 1212) or Introduction to Anthropology, (Pre-requisite: SSK 1212) or Introduction to Geography, (Pre-requisite: SSK 1212) or Introduction to Psychology (Pre-requisite: SSK 1212) | 3 SCH | Met □ not Met □ |

Notes:

SSK 1211 & SSK 1212 may be co-requisites for students who finished their LC Level requirements (except AWT 1002) or do not need LC courses (except AWT 1002).

Students who have not had Arabic as the language of instruction in high school are required to successfully complete ARB1320 and any lower level pre-requisite Arabic language courses. A placement test will determine which Arabic courses (such as ARB1309 and ARB1310) are needed. A maximum of 6 SCH in Arabic can be counted as fulfilling the UCC language requirement. Any additional credits will not count towards the degree. All students must also pass the Arabic component of the Exit Exam.

All students are required to satisfy the TEF-B2 level of French, or take the required course(s) to reach the level needed, FRN3310, before graduation. Students will take a placement test which determines the French courses (such as FRN2310) needed to achieve this level of proficiency. A maximum of 6 SCH in French can be counted as fulfilling the UCC requirement. Any additional courses (such as FRN1305 and FRN1308) will not count towards the degree and will be graded on Pass/Fail basis. All students must also pass the French component of the Exit Exam.

^{*} Arabic and French language requirements: A total of 6 SCH in these languages is a requirement of the UCC. Students take 0-6 SCH of Arabic and/or 0-6 SCH of French, depending on their background. Students holding a Moroccan baccalaureate or having had Arabic as the language of instruction in high school are not required to take Arabic courses (0 SCH). They fulfill the Arabic language requirement by taking one of the following UCC content courses taught in Arabic: HIS1302, HUM3303, LIT2304, or LIT2305. Language requirement in the UCC should be met by taking French courses depending on the TEF score.

| ** History and Humanities requirement: Students who take a content course taught in Arabic (HIS1302, HUM3303, HUM3304, |
|---|
| LIT2304, or LIT2305) fulfill a History or Humanities requirement of the UCC. They may not take the equivalent course in English (HIS2301, |
| HIIM3301 HIIM3302) or Arabic (ARR2304 ARR2305) to fulfill another requirement |

| CSC 2302 Data Structures (Pro-requisites: CSC 1401) 3 SCH Met not Met | SCHOO | OI CODE | _ | 36 SCH |
|---|------------|---|-------|-----------------|
| Software Engineering I (*Pre-requisites: CSC2302) 3 SCH Met | SCHOOL | JL COKE | | 30 SCH |
| Software Engineering I (*Pre-requisites: CSC2302) 3 SCH Met | CSC 2302 | Data Structures (Pre-requisites: CSC1401) | 3 SCH | Met □ not Met □ |
| SC 3326 Database Systems (Pre-requisites: CSC3324) 3 SCH Met not Met | | | | |
| EGR 2302 Engineering Economics (Pre-requisites: MTH1303) 3 SCH Met □ not Met □ | CSC 3326 | | + | |
| EGR 3331 Digital Design (Co-requisites: PHY1402) | EGR 2302 | | | |
| EGR 4300 Internship (Pre-requisites: May be combined with EGR 4402 for 7 SCH. | EGR 3331 | | 1 | |
| Capston Design (Pre-requisites: To be taken during the last regular semester of enrollment. 4 SCH Met not Met MITH 2301 Multivariable Calculus (Pre-requisites: MTH1303) 3 SCH Met not Met MITH 3301 Engineering Probability and Statistics (Pre-requisites: MTH2301 and Junior Standing) 3 SCH Met not Met Met Not Met | EGR 4300 | | + | |
| MTH 2301 Multivariable Calculus (Pre-requisites: MTH1303) 3 SCH Met not Met MTH 3301 Engineering Probability and Statistics (Pre-requisites: MTH2301 and Junior Standing) 3 SCH Met not Met PHY 1401 Physics II (Pre-requisites: MTH1303) 4 SCH Met not Met PHY 1402 Physics II (Pre-requisites: PHY1401) 4 SCH Met not Met * May be combined with internship 7 SCH ** ** ** ** ** ** ** ** ** | EGR 4402* | Capstone Design (<i>Pre-requisites</i> : To be taken during the last regular semester of enrollment. | 4 SCH | |
| MTH 3301 Engineering Probability and Statistics (<i>Pre-requisites: MTH12301 and Junior Standing</i>) 3 SCH Met | MTH 2301 | | 3 SCH | |
| PHY 1401 | MTH 3301 | | | |
| PHY 1402 Physics II (Pre-requisites: PHY1401) | PHY 1401 | | 4 SCH | |
| * May be combined with internship 7 SCH PROGRAM CORE Required courses: 6 SCH MTH 2303 | PHY 1402 | | 4 SCH | |
| Required courses: 6 SCH MTH 2303 Linear Algebra and Matrix Theory (Pre-requisite : MTH 2301) 3 SCH Met □ not Met □ not Met □ not Met □ MTH 2304 Differential Equations (Pre-requisite : MTH 2303) 3 SCH Met □ not Met □ not Met □ ENGINEERING CORE 21 SCH EGR 2402 Electrical Circuits (Pre-requisite : PHY1402 & MTH 2304 as pre or co-requisite) 4 SCH Met □ not Met □ EGR 3304 Materials Science (Pre-requisite : PHY1402 and CHE 1402) 3 SCH Met □ not Met □ EGR 3306 Engineering Instrumentation 1 (Pre-requisite : EGR 2402) 3 SCH Met □ not Met □ EGR 3402 Statics and Dynamics (Pre-requisite : MTH2301 and PHY 1401) 4 SCH Met □ not Met □ CHE 1402 General Chemistry II (Pre-requisite: MTH2301 and PHY 1401) 4 SCH Met □ not Met □ MANAGEMENT CORE I6 SCH ACC 2301 Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) 3 SCH Met □ not Met □ GBU 3401 Advanced Quantitative Methods in Business (Pre-requisite: junior Standing and GBU 4 SCH Met □ not Met □ GBU 3401 Advanced Quantitative Methods in Business (| * May be c | ombined with internship 7 SCH | | |
| MTH 2303 | PROGI | RAM CORE | | 43 SCH |
| MTH 2304 Differential Equations (Pre-requisite: MTH 2303) ENGINEERING CORE EIGR 2402 Electrical Circuits (Pre-requisite: PHY1402 & MTH 2304 as pre or co-requisite) EGR 3304 Materials Science (Pre-requisite: PHY1402 and CHE 1402) 3 SCH Met | Required c | ourses: | | 6 SCH |
| ENGINEERING CORE EGR 2402 Electrical Circuits (Pre-requisite: PHY1402 & MTH 2304 as pre or co-requisite) EGR 3304 Materials Science (Pre-requisite: PHY1402 and CHE 1402) EGR 3306 Engineering Instrumentation I (Pre-requisite: EGR 2402) EGR 3308 Thermal Engineering (Pre-requisite: PHY 1402) EGR 3402 Statics and Dynamics (Pre-requisite: MTH2301 and PHY 1401) CHE 1402 General Chemistry II (Pre-requisite: CHE 1401) MANAGEMENT CORE I6 SCH ACC 2301 Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) Business and Corporate Finance (Pre-requisites: ACC 2301 & EGR 2302) Advanced Quantitative Methods in Business (Pre-requisite: junior Standing and GBU 3301; or MTH 3301) MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) MGT 3303 Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) SCH Met not Met MINOR IN SOFTWARE ENGINEERING CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) ACU Met not Met CSC 3323 or Analysis of Algorithms (Pre-requisite: CSC 2303) or Analysis of Algorithms (Pre-requisite: CSC 2303) or | MTH 2303 | Linear Algebra and Matrix Theory (Pre-requisite: MTH 2301) | 3 SCH | Met □ not Met □ |
| EGR 2402 Electrical Circuits (<i>Pre-requisite</i> : <i>PHY1402 & MTH 2304 as pre or co-requisite</i>) 4 SCH Met not Met EGR 3304 Materials Science (<i>Pre-requisite</i> : <i>PHY1402 and CHE 1402</i>) 3 SCH Met not Met EGR 3306 Engineering Instrumentation I (<i>Pre-requisite</i> : <i>EGR 2402</i>) 3 SCH Met not Met EGR 3308 Thermal Engineering (<i>Pre-requisite</i> : <i>PHY 1402</i>) 3 SCH Met not Met EGR 3402 Statics and Dynamics (<i>Pre-requisite</i> : <i>MTH2301 and PHY 1401</i>) 4 SCH Met not Met CHE 1402 General Chemistry II (<i>Pre-requisite</i> : <i>CHE 1401</i>) 4 SCH Met not Met MANAGEMENT CORE MANAGEMENT CORE | MTH 2304 | Differential Equations (Pre-requisite : MTH 2303) | 3 SCH | Met □ not Met □ |
| EGR 3304 Materials Science (Pre-requisite: PHY1402 and CHE 1402) EGR 3306 Engineering Instrumentation I (Pre-requisite: EGR 2402) 3 SCH Met not Met EGR 3308 Thermal Engineering (Pre-requisite: PHY 1402) 3 SCH Met not Met Met not Met GGR 3402 Statics and Dynamics (Pre-requisite: MTH2301 and PHY 1401) CHE 1402 General Chemistry II (Pre-requisite: CHE 1401) MANAGEMENT CORE 16 SCH ACC 2301 Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) FIN 3301 Business and Corporate Finance (Pre-requisites: ACC 2301 & EGR 2302) 3 SCH Met not Met Met not Met Met 3301; or MTH 3301) MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) 3 SCH Met not Met not Met Met Not Met Not Met Met Not Me | ENGINE | ERING CORE | | 21 SCH |
| EGR 3306 Engineering Instrumentation I (Pre-requisite : EGR 2402) EGR 3308 Thermal Engineering (Pre-requisite : PHY 1402) Statics and Dynamics (Pre-requisite : MTH2301 and PHY 1401) CHE 1402 General Chemistry II (Pre-requisite: CHE 1401) MANAGEMENT CORE 16 SCH ACC 2301 Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) FIN 3301 Business and Corporate Finance (Pre-requisites: ACC 2301 & EGR 2302) GBU 3401 Advanced Quantitative Methods in Business (Pre-requisite : junior Standing and GBU 3301; or MTH 3301) MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) MGT 3303 Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) MINOR IN SOFTWARE ENGINEERING 6 SCH Met not Met COSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) A SCH Met not Met COSC 2303 Analysis of Algorithms (Pre-requisite: CSC 2303) or | EGR 2402 | Electrical Circuits (Pre-requisite: PHY1402 & MTH 2304 as pre or co-requisite) | 4 SCH | Met □ not Met □ |
| EGR 3308 Thermal Engineering (Pre-requisite: PHY 1402) EGR 3402 Statics and Dynamics (Pre-requisite: MTH2301 and PHY 1401) CHE 1402 General Chemistry II (Pre-requisite: CHE 1401) MANAGEMENT CORE 16 SCH ACC 2301 Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) FIN 3301 Business and Corporate Finance (Pre-requisites: ACC 2301 & EGR 2302) GBU 3401 Advanced Quantitative Methods in Business (Pre-requisite: junior Standing and GBU 3301; or MTH 3301) MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) MGT 3303 Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) MINOR IN SOFTWARE ENGINEERING 6 SCH CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) 3 SCH Met not Met not Met CSC 2303 Advanced Programming Object-Oriented Programming Pre-requisite: CSC 2302) 3 SCH Met not Met CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) 3 SCH Met not Met CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) 3 SCH Met not Met CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) 3 SCH Met not Met CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) | EGR 3304 | Materials Science (Pre-requisite: PHY1402 and CHE 1402) | 3 SCH | Met □ not Met □ |
| EGR 3402 Statics and Dynamics (Pre-requisite: MTH2301 and PHY 1401) 4 SCH Met not Met MANAGEMENT CORE MANAGEMENT CORE ACC 2301 Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) 3 SCH Met not Met FIN 3301 Business and Corporate Finance (Pre-requisites: ACC 2301 & EGR 2302) 3 SCH Met not Met GBU 3401 3301; or MTH 3301) 4 SCH Met not Met MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) 3 SCH Met not Met MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) 3 SCH Met not Met MGT 3303 Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) 3 SCH Met not Met MINOR IN SOFTWARE ENGINEERING 6 SCH CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) 3 SCH Met not Met CSC 3323 or Analysis of Algorithms (Pre-requisite: CSC 2303) or 3 SCH Met not Met The soft of th | EGR 3306 | Engineering Instrumentation I (Pre-requisite: EGR 2402) | 3 SCH | Met □ not Met □ |
| MANAGEMENT CORE ACC 2301 Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) 3 SCH Met □ not Met □ | EGR 3308 | Thermal Engineering (Pre-requisite: PHY 1402) | 3 SCH | Met □ not Met □ |
| MANAGEMENT CORE ACC 2301 | EGR 3402 | Statics and Dynamics (Pre-requisite: MTH2301 and PHY 1401) | 4 SCH | Met □ not Met □ |
| ACC 2301 Accounting Principles (<i>Pre-requisite: MTH1303 or MTH 1304</i>) Business and Corporate Finance (<i>Pre-requisites: ACC 2301 & EGR 2302</i>) 3 SCH Met not Met GBU 3401 Advanced Quantitative Methods in Business (<i>Pre-requisite: junior Standing and GBU 3301; or MTH 3301</i>) MGT 3301 Principles of Management (<i>Pre-requisites: ACC 2301 & EGR 2302</i>) 3 SCH Met not Met MGT 3303 Operations Management (<i>Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301</i>) SCH Met not Met MINOR IN SOFTWARE ENGINEERING CSC 2303 Advanced Programming/Object-Oriented Programming <i>Pre-requisite: CSC 2302</i>) 3 SCH Met not Met CSC 3323 or Analysis of Algorithms (<i>Pre-requisite: CSC 2303) or</i> 3 SCH Met not Met 4 SCH Met | CHE 1402 | General Chemistry II (Pre-requisite: CHE 1401) | 4 SCH | Met □ not Met □ |
| ACC 2301 Accounting Principles (<i>Pre-requisite: MTH1303 or MTH 1304</i>) SCH Met not Met Description of Met De | MANAG | EMENT CORE | | 16 SCH |
| FIN 3301 Business and Corporate Finance (Pre-requisites: ACC 2301 & EGR 2302) GBU 3401 Advanced Quantitative Methods in Business (Pre-requisite: junior Standing and GBU 3301; or MTH 3301) MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) MGT 3303 Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) SCH Met not Met not Met MINOR IN SOFTWARE ENGINEERING GSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) Analysis of Algorithms (Pre-requisite: CSC 2303) or 3 SCH Met not Met | ACC 2301 | Accounting Principles (Pre-requisite: MTH1303 or MTH 1304) | 3 SCH | |
| Advanced Quantitative Methods in Business (Pre-requisite: junior Standing and GBU 3301; or MTH 3301) MGT 3301 Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) MGT 3303 Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) SCH Met □ not Met □ MINOR IN SOFTWARE ENGINEERING CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) Analysis of Algorithms (Pre-requisite: CSC 2303) or 3 SCH Met □ not Met □ CSC 3323 or Analysis of Algorithms (Pre-requisite: CSC 2303) or | | | + | |
| MGT 3303 Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) 3 SCH Met □ not Met □ MINOR IN SOFTWARE ENGINEERING 6 SCH CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) 3 SCH Met □ not Met □ CSC 3323 or Analysis of Algorithms (Pre-requisite: CSC 2303) or 3 SCH Met □ not Met □ | | Advanced Quantitative Methods in Business (Pre-requisite: junior Standing and GBU | | |
| MINOR IN SOFTWARE ENGINEERING CSC 2303 Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) CSC 3323 or Analysis of Algorithms (Pre-requisite: CSC 2303) or 3 SCH Met □ not Met □ 2 SCH Met □ not Met □ | MGT 3301 | Principles of Management (Pre-requisites: ACC 2301 & EGR 2302) | 3 SCH | Met □ not Met □ |
| CSC 2303 Advanced Programming/Object-Oriented Programming <i>Pre-requisite</i> : <i>CSC 2302</i>) 3 SCH Met □ not Met □ CSC 3323 or Analysis of Algorithms (<i>Pre-requisite</i> : <i>CSC 2303</i>) or 2 SCH Met □ not Met □ | MGT 3303 | Operations Management (Pre-requisites: MGT 3301 and either GBU 3401 or MTH 3301) | 3 SCH | Met □ not Met □ |
| CSC 3323 or Analysis of Algorithms (<i>Pre-requisite: CSC 2303</i>) or | MINOI | R IN SOFTWARE ENGINEERING | | 6 SCH |
| CSC 3323 or Analysis of Algorithms (<i>Pre-requisite: CSC 2303</i>) or | CSC 2303 | Advanced Programming/Object-Oriented Programming Pre-requisite: CSC 2302) | 3 SCH | Met □ not Met □ |
| | | | 3 SCH | Met □ not Met □ |

| ELECTIVES | 6 SCH | Met □ not Met □ |
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Two free electives will be chosen from university undergraduate courses in collaboration with, and with approval of, the Academic Advisor and Academic Coordinator. The following courses are not acceptable as BSEMS electives: CHE1400, CSC1400, GBU3301, MTH1388, MTH 1301, and PHY1400. Graduate courses in the major may be taken as electives after special permission from the Dean. Students can customize their coursework by selecting their electives in a given area of expertise.

When electives are chosen in the area of Business Administration, the following are recommended:

| GBU 3302 | Legal Environment (Pre-requisite Junior standing) | 3 SCH | Met □ not Met □ |
|----------|--|-------|-----------------|
| MGT 3302 | Entrepreneurship (Pre-requisites: MGT 3301, MKT 3301, FIN 3301) | 3 SCH | Met □ not Met □ |
| MGT 4304 | Organizational Behavior (Pre-requisite: MGT 3301) | 3 SCH | Met □ not Met □ |
| MGT 4309 | Logistics and Supply Chain Management (Pre-requisite: MGT 3303) | 3 SCH | Met □ not Met □ |
| MKT 3301 | Principles of Marketing (Pre-requisites: ACC 2301 & EGR 2302) | 3 SCH | Met □ not Met □ |
| MIS 3302 | Managing the Information Resource (Pre-requisite: MGT 3301 and MIS 3301 or special permission) | 3 SCH | Met □ not Met □ |
| MKT 3302 | Advertising and Promotion Management (Pre-requisite: MKT 3301) | 3 SCH | Met □ not Met □ |
| MKT 3303 | Consumer Behavior (Pre-requisite: MKT 3301) | 3 SCH | Met □ not Met □ |
| MKT 4304 | Marketing Research (Pre-requisite: MKT 3301 and one of: GBU 3401, SSC2401, MTH 3301) | 3 SCH | Met □ not Met □ |
| MKT 4305 | Marketing Management (Pre-requisites: MGT 3301 and one of the following: MKT 3302 or MKT 3303) | 3 SCH | Met □ not Met □ |

| Total | 135 SCH |
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NB. The combined BS/MS program allows qualified EMS students to pass directly from the BS to the MS in Software Engineering and Management Science (for more details refer to the catalog). They may also go on to do a Master in Business Administration or to do a Master of Science in Software Engineering, as long as they meet prerequisite requirements for all Masters Courses taken.