

# SCHOOL OF BUSINESS

INFORMATION TECHNOLOGY MANAGEMENT AND STATISTICS • ACCOUNTING, FINANCE, AND  
BUSINESS LAW • MANAGEMENT, MARKETING, AND ECONOMICS

## ADMINISTRATION

MR. JAMES T. RHODES, *Interim Dean*

DR. DANIEL M. BRANDON, JR., *Chair, Information Technology Management & Statistics*

DR. JUDY RAMAGE LAWRENCE, *Chair, Accounting, Finance & Business Law*

DR. FRANK MARION, *Chair, Management, Marketing & Economics*

## PROGRAM DIRECTOR

DR. BEVALEE B. PRAY, *Executive Director, Center for Ethical Leadership*

## FACULTY

### INFORMATION TECHNOLOGY MANAGEMENT & STATISTICS

JAMES AFLAKI, *Associate Professor*

B.S., University of District of Columbia; M.S., Ph.D., University of Maryland; MSCE

DANIEL M. BRANDON, JR., *Professor*

B.S., Case Western Reserve University; M.S., Ph.D., University of Connecticut; PMP

LAWRENCE J. SCHMITT, *Professor*

B.B.A., M.B.A., Ph.D., University of Memphis; MSCE

### ACCOUNTING, FINANCE, AND BUSINESS LAW

RONALD H. EATON, *Associate Professor*

B.B.A., M.B.A., Memphis State University; Ph.D., University of Arkansas, C.P.A.

LYNN P. KUGELE, *Associate Professor<sup>1</sup>*

B.S., M.S., Memphis State University; M.B.A., Christian Brothers University;  
Ph.D., The University of Memphis

JUDY RAMAGE LAWRENCE, *Professor*

B.B.A., Memphis State University; M.S., University of Arkansas;  
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B.S., Eastern Illinois University; M.A., Ph.D., University of Mississippi, C.P.A.

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B.S., Lenoir Rhyne College; M.B.A., J.D., University of Houston

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B.B.A., M.B.A., University of Central Arkansas; Ph.D., University of Memphis

<sup>1</sup> Sabbatical during Fall Semester 2007.

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JEFFREY A. SCHULTZ, *Professor*

B.S., M.S., University of Illinois; M.S., Ph.D., Case Institute of Technology

**MANAGEMENT, MARKETING, AND ECONOMICS**

DALE G. BAILS, *Professor*

B.S.B.A., University of South Dakota; M.A., University of Missouri;  
Ph.D., University of Nebraska

ROBERT L. BRITTINGHAM, *Professor*

B.A., St. Mary's College; M.S. in C., Ph.D., St. Louis University

R. CAYCE LAWRENCE, *Associate Professor*

B.A., St. Meinrad College; M.B.A., Memphis State University;  
Ph.D., University of Arkansas

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B.S.Ch.E., South Dakota School of Mines & Technology;  
M.B.A., Baldwin Wallace College; D.B.A., Memphis State University; PMP

JOHN E. MEGLEY III, *Professor*

A.B., University of Illinois; B.S.B.A., Christian Brothers University;  
M.B.A., Roosevelt University; Ph.D., University of Missouri

PATRICIA T. PAPACHRISTOU, *Professor*

B.A., Trinity College; M.A., Duke University; M.A., M.B.A., Memphis State University

REGINALD PEYTON, *Professor*

B.S., Christian Brothers College; D.B.A., Memphis State University

KRISTIN O. PRIEN, *Associate Professor*

A.B., Mount Holyoke College; M.B.A., Ph.D., University of Memphis

JAMES T. RHODES, *Associate Professor*

B.S., Morningside College; M.B.A., Memphis State University; C.P.I.M.

MICHAEL R. RYAN, *Professor*

B.S., St. Louis College of Pharmacy; M.S., Ph.D., University of Mississippi

**PROFESSOR EMERITUS**

HOWARD J. LAWRENCE

B.S., Christian Brothers College; M.B.A., Memphis State University; Ph.D.,  
The University of Mississippi; C.P.A.; C.M.A.

**DEAN EMERITUS**

RAY S. HOUSE

B.S., Union University; M.B.A., Ph.D., University of Mississippi

**MISSION**

The School of Business at Christian Brothers University enacts the Lasallian mission of the University by providing our highly diverse student populations and the local business community with a learning environment that emphasizes teaching, practical scholarship, and the moral, intellectual, and social development of each individual.

**DEGREE REQUIREMENTS**

The Bachelor of Science degree in Business Administration requires students to complete 121 -122 semester credit hours, maintain a 2.0 grade point average overall, maintain a 2.0 GPA in the Business Core, a 2.0 in the Concentration area, and satisfactorily complete all requirements for the degree. Six hours of Statistics and six hours of Economics count as non-business level courses. In the case of transfer students, one-half of the upper division major courses (300-400 level) in the Business Core and area of concentration must be taken at Christian Brothers University.

In conjunction with the School of Engineering, a Bachelor of Science in Engineering Management is also offered. The total number of credits needed for this degree is 124-131 hours depending on the chosen concentration.

**Course Requirements Outside the School of Business (34 S.H.):**

English (9 hrs.) ENG 111, 112, and 3 hours of literature. ENG 211, 212, 221, or 222 are accepted.

Fine Arts (3 hrs.): SPCH 125.

Mathematics (6 hrs.): MATH 105 & 106 are recommended; MATH 131 & 132, 117 & 131, 117 & 106, 117 & 105, 131 & 105 are accepted. ITM majors are required to take MATH 141 as one of their two Math courses.

Philosophy (3 hrs.): PHIL 323 is recommended; PHIL 220 or 234 is accepted.

Religious Studies (6 hrs.)

Science (4 hrs.): BIOL 107, 109; NSCI 111, 115, 118, 122 are recommended. All courses require an accompanying laboratory

Social Science (6 hrs.): Courses selected from HIST, POLS, PSYC, SOC meeting the Social Science GRE requirements.

**Course Requirements in the Business Core (39 S.H.):**

Accounting (6 hrs.): ACCT 260, 270<sup>1</sup>

Business Law (6 hrs.): BLAW 301, 302

Economics (6 hrs.): ECON 214, 215

Finance (3 hrs.): FIN 327

Information Technology (6 hrs.): ITM 153, 231

Management (6 hrs.): MGMT 337, 498

Marketing (3 hrs.): MKTG 311

Statistics (6 hrs.): STAT 221, 222

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<sup>1</sup> Accounting majors do not take ITM 231.

**COURSE REQUIREMENTS FOR ACCOUNTING**

<b>FRESHMAN YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
IDS 101 Dimension Faith Citizenship .....	3		ENG 112 English Composition II .....	3	
ENG 111 English Composition I .....	3		ITM 153 Microcomputer .....	3	
MATH 105 Finite Math .....	3		MATH 106 Applied Math .....	3	
SPCH 125 Speech Communications .....	3		Social Science Elective .....	3	
Social Science Elective .....	3		Natural Science Elective/Lab .....	4	
Orientation .....	0				
<b>Total.....</b>	<b>15</b>		<b>Total.....</b>	<b>16</b>	
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<b>SOPHOMORE YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ACCT 260 Financial Accounting .....	3		ACCT 265 Intermediate Accounting I .....	3	
ECON 214 Macroeconomics .....	3		ECON 215 Microeconomics .....	3	
ENG 211 Intro to Literature I .....	3		STAT 222 Intermediate Statistics .....	3	
STAT 221 Elementary Statistics .....	3		Religious Studies Elective .....	3	
Religious Studies Elective .....	3		ACCT 270 Managerial Accounting .....	3	
<b>Total.....</b>	<b>15</b>		<b>Total.....</b>	<b>15</b>	
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<b>JUNIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ACCT 365 Intermediate Acct II .....	3		ACCT 319 Cost Accounting I .....	3	
BLAW 301 Business Law I .....	3		ACCT 312 Accounting Systems .....	3	
ENG 371 Business Writing .....	3		BLAW 302 Business Law II .....	3	
FIN 327 Financial Management I .....	3		PHIL 323 Business Ethics .....	3	
MKTG 311 Prin of Marketing .....	3		MGMT 337 Prin of Org & Mgmt .....	3	
<b>Total.....</b>	<b>15</b>		<b>Total..</b>	<b>15</b>	
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<b>SENIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ACCT 412 Auditing .....	3		ACCT 431 Federal Income Tax II .....	3	
ACCT 430 Federal Income Tax I .....	3		ACCT 475 Governmental Accounting .....	3	
ACCT 465 Advanced Accounting I .....	3		ACCT 480 Financial Statement Analysis .....	3	
FIN 427 Financial Management II .....	3		MGMT 498 Business Policy .....	3	
Non-Business Elective .....	3		Non-Business Electives .....	3	
<b>Total.....</b>	<b>15</b>		<b>Total.....</b>	<b>15</b>	

**Total credits required for the degree: 121.**

All Accounting majors are required to take an assessment test in the Governmental Accounting class. This test will become part of your grade in Governmental Accounting.

With the exception of ACCT 256 Intermediate Accounting I, all 300 and 400 level Accounting classes are only offered one time per academic year – once in the day and once in the Professional Studies Program.

A grade of “C” or better in ACCT 265 – Intermediate Accounting I – is required to proceed to any 300-level Accounting class.

A grade of “C” or better in ACCT 365 – Intermediate Accounting II – is required to proceed to ACCT 312 or any 400-level Accounting class.

**COURSE REQUIREMENTS FOR FINANCE**

<b>FRESHMAN YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ENG 111 English Composition I	3		ENG 112 English Composition II	3	
ITM 153 Microcomputers	3		ITM 231 Intro to Information Systems	3	
MATH 105 Finite Math	3		MATH 106 Applied Math	3	
Social Science Elective	3		Social Science Elective	3	
IDS 101 Dimensions of Faith	3		Natural Science Elective	4	
Orientation	0				
<b>Total</b>	<b>15</b>		<b>Total</b>	<b>16</b>	

<b>SOPHOMORE YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ACCT 260 Financial Accounting	3		ACCT 265 Intermed Accounting I	3	
BUS 200 Careers in Business	1		BUS 201 Careers in Business	1	
ECON 214 Principles of Microeconomics	3		ECON 215 Principles of Macroeconomics	3	
ENG Literature Elective <sup>1</sup>	3		STAT 222 Intermediate Statistics	3	
STAT 221 Elementary Statistics	3		Non-Business Elective*	3	
Non-Business Elective*	3		Religious Studies Elective	3	
<b>Total</b>	<b>16</b>		<b>Total</b>	<b>16</b>	

<b>JUNIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
BLAW 301 Business Law I	3		BLAW 302 Business Law II	3	
ECON 303/FIN 303 Money & Banking	3		MKTG 311 Principles of Marketing	3	
FIN 327 Financial Management	3		FIN 350 Financial Markets	3	
ACCT 270 Managerial Accounting	3		FIN 300 Careers in Finance	1	
MGMT 337 Prin of Org & Mgmt	3		FIN 340 Investments	3	
			FIN 340L Investment/TVA Lab	1	
<b>Total</b>	<b>15</b>		<b>Total</b>	<b>14</b>	

<b>SENIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ENG 371 Business Writing	3		FIN 437 International Financial Mgmt	3	
FIN 410 Derivative Securities	3		MGMT 498 Business Policy	3	
FIN 427 Financial Management II	3		Religious Studies Elective	3	
FIN 440 Portfolio Management	3		PHIL 323 Business Ethics	3	
FIN 440L Portfolio Mgmt/TVA Lab	1		SPCH 125 Speech Communications	3	
<b>Total</b>	<b>13</b>		<b>Total</b>	<b>15</b>	

**Total credits required for the degree: 120.**

*All Finance majors must pass a comprehensive examination before graduation.*

<sup>1</sup> Choose from ENG 211, 212, 221, or 222.

<sup>2</sup> FIN 400 is preferred but FIN 430 - Special Topics/Senior Project in Finance may be substituted.

Note: With the exception of FIN 327, all 300 and 400 level Finance Classes are only offered one time per academic year - once in the day and once in the Professional Studies program.

\* Students interested in an international focus should consider two semesters of a foreign language as their sophomore-year non-business electives.

## COURSE REQUIREMENTS FOR INFORMATION TECHNOLOGY MANAGEMENT

<b>FRESHMAN YEAR Semester I Credits</b>		<b>Semester II Credits</b>	
ENG 111 English Composition.....	3	ENG 112 English Composition II.....	3
IDS 101 Dimensions of Faith and Citizenship.....	3	SPCH 125 Speech Communications.....	3
MATH 105 Finite Math.....	3	ITM 231 Management Information Systems.....	3
ITM 153 Microcomputer Applications.....	3	Religious Studies elective.....	3
Social Science elective.....	3	Natural Science elective.....	4
Orientation.....	0		
<b>Total.....</b>	<b>15</b>	<b>Total.....</b>	<b>16</b>
<b>SOPHOMORE YEAR Semester I Credits</b>		<b>Semester II Credits</b>	
ITM 171 Intro to Computers and Programming.....	3	ITM 172 Computational Logic.....	3
ENG 211 Intro to Literature.....	3	ITM 172L Computational Logic Lab.....	1
ECON 214 Microeconomics.....	3	ECON 215 Macroeconomics.....	3
STAT 221 Intro to Statistics.....	3	STAT 222 Intermediate Statistics.....	3
ACCT 260 Financial Accounting.....	3	ACCT 270 Managerial Accounting.....	3
		ITM 295 Telecommunications.....	3
<b>Total.....</b>	<b>15</b>	<b>Total.....</b>	<b>16</b>
<b>JUNIOR YEAR Semester I Credits</b>		<b>Semester II Credits</b>	
BLAW 301 Business Law I.....	3	BLAW 302 Business Law II.....	3
FIN 327 Financial Management I.....	3	MGMT 337 Principles of Org & Mgmt.....	3
MTKG 311 Principles of Marketing.....	3	ITM 360 Object Oriented Design & Analysis.....	3
ITM 320 Java Programming.....	3	ITM 370 Operating Systems and Networks.....	3
ITM 351 Systems Analysis and Design.....	3	MATH 141 Discrete Math.....	3
<b>Total.....</b>	<b>15</b>	<b>Total.....</b>	<b>15</b>
<b>SENIOR YEAR Semester I Credits</b>		<b>Semester II Credits</b>	
ITM 471 Database Management.....	3	ITM 455 Information Systems Management.....	3
ITM 458 Visual Programming.....	3	ITM 470 Internet Programming.....	3
ITM 480 Decision Support.....	3	MGMT 498 Business Policy.....	3
ENG 371 Business Writing.....	3	PHIL 323 Business Ethics.....	3
Religious Studies elective.....	3	Social Science elective.....	3
<b>Total.....</b>	<b>15</b>	<b>Total.....</b>	<b>15</b>

**Total credits required for the degree: 122.**

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**COURSE REQUIREMENTS FOR MANAGEMENT**

<b>FRESHMAN YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ENG 111 English Composition .....	3		ENG 112 English Composition II .....	3	
IDS 101 Dimensions of Faith and Citizenship .....	3		SPCH 125 Speech Communications .....	3	
MATH 105 Finite Math .....	3		MATH 106 Applied Math w/Calculus .....	3	
ITM 153 Microcomputer Applications .....	3		ITM 231 Management Information Systems .....	3	
Social Science elective .....	3		Natural Science Elective w/Lab .....	4	
Orientation .....	0				
<b>Total .....</b>	<b>15</b>		<b>Total .....</b>	<b>16</b>	

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<b>SOPHOMORE YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ACCT 260 Financial Accounting .....	3		ACCT 270 Managerial Accounting .....	3	
ECON 214 Microeconomics .....	3		ECON 215 Macroeconomics .....	3	
STAT 221 Intro to Statistics .....	3		STAT 222 Intermediate Statistics .....	3	
ENG 211 Intro to Literature .....	3		Moral Values Elective (PHIL 323) .....	3	
Free Elective .....	3		Religious Studies Elective .....	3	
<b>Total .....</b>	<b>15</b>		<b>Total .....</b>	<b>15</b>	

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<b>JUNIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
BLAW 301 Business Law 1 .....	3		BLAW 302 Business Law II .....	3	
FIN 327 Financial Management I .....	3		BLAW 345 Legal Environment .....	3	
MTKG 311 Principles of Marketing .....	3		MGMT 352 Organizational Behavior .....	3	
MGMT 337 Principles of Org & Mgmt .....	3		MGMT 339 Operations Mgmt .....	3	
Religious Studies Elective .....	3		ITM 351 Systems Design & Analysis .....	3	
<b>Total .....</b>	<b>15</b>		<b>Total .....</b>	<b>15</b>	

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<b>SENIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
MGMT 412 HR Management .....	3		Free Elective .....	3	
MGMT 420 International Business .....	3		Business Elective (300 or 400 level) .....	3	
MKTG 324 Marketing Research .....	3		MKTG 348 Business to Business Mktg .....	3	
MKTG 418 Supply Chain Mgmt .....	3		MGMT 490 Seminar in Leadership .....	3	
ENG 371 Business Writing .....	3		MGMT 498 Business Policy .....	3	
<b>Total .....</b>	<b>15</b>		<b>Total .....</b>	<b>15</b>	

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**Total credits required for the degree: 121.**

**COURSE REQUIREMENTS FOR MARKETING**

<b>FRESHMAN YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ENG 111 English Composition .....	3		ENG 112 English Composition II .....	3	
IDS 101 Dimensions of Faith and Citizenship .....	3		SPCH 125 Speech Communications .....	3	
MATH 105 Finite Math .....	3		MATH 106 Applied Math w/Calculus .....	3	
ITM 153 Microcomputer Applications .....	3		ITM 231 Management Information Systems .....	3	
Social Science elective .....	3		Natural Science Elective w/Lab .....	4	
Orientation .....	0				
<b>Total .....</b>	<b>15</b>		<b>Total .....</b>	<b>16</b>	
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<b>SOPHOMORE YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ACCT 260 Financial Accounting .....	3		ACCT 270 Managerial Accounting .....	3	
ECON 214 Microeconomics .....	3		ECON 215 Macroeconomics .....	3	
STAT 221 Intro to Statistics .....	3		STAT 222 Intermediate Statistics.....	3	
ENG 211 Intro to Literature.....	3		PHIL 323 Business Ethics .....	3	
Free Elective .....	3		Religious Studies Elective .....	3	
<b>Total .....</b>	<b>15</b>		<b>Total .....</b>	<b>15</b>	
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<b>JUNIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
BLAW 301 Business Law I .....	3		BLAW 302 Business Law II .....	3	
FIN 327 Financial Management I .....	3		BLAW 345 Legal Environment .....	3	
MKTG 311 Principles of Marketing .....	3		MKTG 338 Selling & Sales Mgmt .....	3	
MGMT 337 Principles of Org & Mgmt .....	3		MKTG 344 Consumer Behavior .....	3	
Religious Studies Elective .....	3		Free Elective .....	3	
<b>Total .....</b>	<b>15</b>		<b>Total.....</b>	<b>15</b>	
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<b>SENIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
Marketing Electives .....	3		Free Elective .....	3	
MKTG 324 Mktg. Research & Intel. ....	3		Marketing Electives .....	6	
MKTG 433 Promotional Strategies .....	3		MKTG 348 Business to Business Mktg .....	3	
MKTG 418 Supply Chain & Logistics .....	3		MKTG 411 Marketing Policy & Strategy .....	3	
ENG 371 Business Writing .....	3		MGMT 498 Business Policy .....	3	
<b>Total .....</b>	<b>15</b>		<b>Total .....</b>	<b>15</b>	

**Total credits required for the degree: 121.**

## **BACHELOR OF SCIENCE IN BUSINESS STUDIES**

Only available to transfer, non-traditional students who are completing the requirements for a Business degree.

### **GENERAL EDUCATION REQUIREMENTS (See Page 31).....34 hours**

Interdisciplinary Studies (IDS 101) .....	3 hours
English Composition (ENG 111 and 112).....	6 hours
Literature (ENG 211, 212, 221, or 222) .....	3 hours
Mathematics (MATH 105, 106, 117, or 131) .....	3 hours
Natural and Physical Sciences (NSCI 111, 114, 115, 122, 126, or 128).....	4 hours
Social Science/History (Any course from HIST, SOC, PSYC, or POLS).....	3 hours
History/Political Science .....	3 hours
Religious Studies Electives.....	6 hours
Moral Values (PHIL 323, 220 or 224) .....	3 hours

### **SCHOOL OF BUSINESS REQUIREMENTS.....51 hours**

Speech Communication (SPCH 125) .....	3 hours
Business Writing (ENG 371).....	3 hours
Accounting (ACCT 260 AND ACCT 270).....	6 hours
Business Law (BLAW 301 AND 302) .....	6 hours
Economics (ECON 214 AND 215).....	6 hours
Finance (FIN 327) .....	3 hours
Information Technology Management (ITM 153, 231) .....	6 hours
Management (MGMT 337 AND 498).....	6 hours
Marketing (MKTG 311) .....	3 hours
Mathematics (MATH 106) .....	3 hours
Statistics (STAT 211 AND 212).....	6 hours

### **ADDITIONAL REQUIREMENTS.....36 hours**

Students take at least 24 hours of courses with an ACCT, BLAW, ECON, FIN, ITM, MGMT or ,MKTG prefix, 9 hours of which must be at the 400 level. Students also must take twelve hours of free electives, within or outside the School of Business.

### **TOTAL.....121 hours**

## **BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT (INFORMATION SYSTEMS)**

Offered Jointly by the School of Business and the School of Engineering

<b>GENERAL EDUCATION REQUIREMENTS (See Page 31)</b> .....	<b>34 hours</b>
Interdisciplinary Studies (IDS 101) .....	3 hours
English Composition (ENG 111 and 112).....	6 hours
Literature (ENG 211, 212, 221, or 222) .....	3 hours
Mathematics (MATH 131) .....	3 hours
Physics I and Lab (PHYS 150/150L).....	4 hours
Social Sciences/History (HIST, SOC, PSYC, POLS) .....	6 hours
Religious Studies Electives.....	6 hours
Moral Values (PHIL 323 or 220).....	3 hours
<b>SCHOOL OF BUSINESS REQUIREMENTS</b> .....	<b>45 hours</b>
Technology/Business (ITM 350) .....	3 hours
Speech Communications (SPCH 125) .....	3 hours
Business Writing (ENG 371).....	3 hours
Accounting (ACCT 260 & 270) .....	6 hours
Business Law (BLAW 301 & 302, or CE 420 <sup>1</sup> ).....	6 hours
Economics (ECON 214 & 215) .....	6 hours
Management (MGMT 337, 339, & 498) .....	9 hours
Marketing and Logistics (MKTG 311 & 418).....	3 hours
Statistics (STAT 221 & 222 or MATH 308 <sup>2</sup> ).....	6 hours
<b>SCHOOL OF ENGINEERING REQUIREMENTS</b> .....	<b>52 hours</b>
Mathematics (MATH 132 & 231).....	6 hours
Circuits I (ECE 221).....	3 hours
Physics II (or III) and Lab (PHYS 251/251L or 252/252L) .....	4 hours
Engineering Economics (ECE/ME/CE/CHE 314 <sup>3</sup> ) .....	3 hours
Modeling (ME 121, CE 111).....	3 hours
Mechanics (ME 200, CE 200) .....	3 hours
Dynamics (ME 202) .....	3 hours
Thermodynamics I (ME 305).....	3 hours
Compleat Engineer (CE/ME/EE 400) .....	3 hours
Computer Science Fund. (ITM 251/CS 109, ECE/ME/CE 112) .....	3 hours
Computational Logic (ITM 252, CS 122) .....	3 hours
Design & Analysis (ITM 351).....	3 hours
Information Systems (ITM 455) .....	3 hours
Decision Support (ITM 480) .....	3 hours
Engineering Elective <sup>4</sup> (CHE 391).....	3 hours
Engineering Elective <sup>5</sup> (ME 201, ME 429 ) .....	3 hours
<b>TOTAL HOURS FOR GRADUATION</b> .....	<b>131 hours</b>

<sup>1</sup> BLAW 302 or CE 420 Contracts and Specifications

<sup>2</sup> STAT 222 or MATH 308 Statistics

<sup>3</sup> Engineering Economics (314) substitutes for Financial Management I (FIN 327) in the Business Core.

<sup>4</sup> An upper division Engineering elective (200, 300, 400); recommended CHE 391 Packaging

<sup>5</sup> An upper division Engineering elective (200, 300, 400); recommended ME 201 or ME 429

## BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT (PACKAGING CONCENTRATION)

Offered Jointly by the School of Business and the School of Engineering

<b>FRESHMAN YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
SPCB 125 Speech Communication	.....	3	ENG 112 English Composition II	.....	3
ENG 111 English Composition I	.....	3	ME 121 Modeling	.....	3
IDS 101 Faith & Community	.....	3	ECON 214 Prin of Micro Econ	.....	3
MATH 131 Calculus I	.....	3	Social Science Elective	.....	3
CHEM 113 or 115 Chemistry I	.....	3	PHYS 150 Physics I	.....	3
Orientation	.....	0	PHYS 150L Physics I Lab	.....	1
<b>Total</b>	.....	<b>15</b>	<b>Total</b>	.....	<b>16</b>
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<b>SOPHOMORE YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ACCT 260 Financial Accounting	.....	3	ACCT 270 Managerial Accounting	.....	3
STAT 221 Elementary Statistics	.....	3	STAT 222 Intermediate Statistics	.....	3
ITM 153 Microcomputer Applications	.....	3	CE 213 Mechanics of Solids II	.....	3
CHE 245 Materials Science	.....	3	PHYS 251 Physics II	.....	3
CE/ME 200 Mechanics of Solids I	.....	3	PHYS 251L Physics II Lab	.....	1
			English Literature	.....	3
<b>Total</b>	.....	<b>15</b>	<b>Total</b>	.....	<b>16</b>
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<b>JUNIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ME 201 Manufacturing Processes	.....	3	Moral Values	.....	3
CHE/ME 319 Prin of Packaging	.....	3	CHE/ME 320 Dist/Med Dev Packaging	.....	3
BLAW 301 Business Law I	.....	3	CE420 Contracts/Specifications	.....	3
ENG 371 Business Writing	.....	3	MGMT 337 Prin of Org & Mgmt	.....	3
MKTG 311 Prin of Marketing	.....	3	Engineering Elective	.....	3
<b>Total</b>	.....	<b>15</b>	<b>Total</b>	.....	<b>15</b>
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<b>SENIOR YEAR Semester I</b>		<b>Credits</b>	<b>Semester II</b>		<b>Credits</b>
ECON 215 Prin of Macro Econ	.....	3	MKTG 418 Phys Dist/Traffic Mgmt	.....	3
MGMT 339 Prod & Ops Management	.....	3	MGMT 498 Business Policy	.....	3
CHE/CE/ECE/ME 314 Engrg Econ	.....	3	ChE 490 Sp. Topics: Packaging Project	.....	2
Engineering Elective	.....	3	Social Science Elective	.....	3
MKT 418 Supply Chain & Logistics	.....	3	Engineering Elective	.....	3
Religious Studies	.....	3			
<b>Total</b>	.....	<b>18</b>	<b>Total</b>	.....	<b>14</b>

**Total credits required for the degree: 124.**

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**MINORS IN BUSINESS ADMINISTRATION**

All students taking minors in Business Administration are expected to have a working knowledge of the application of microcomputers.

Minors for Business majors are available in the following areas:

- Accounting
- Information Technology Management
- Economics
- Finance
- Management
- Marketing
- International Business

Business majors must complete a total of 18 credit hours in the in one of the disciplines listed above to receive a minor. School of Business courses which are included in the School of Business core or the Accounting, Finance, ITM, Management or Marketing concentration core but are outside of the specified concentration may be included as part of the 18 credit hours required for a minor (i.e. Accounting courses taken by Marketing majors may be included as part of the 18 credit hours needed for a minor). For the International Business Minor students may select 18 credit hours from among the following courses. POLS 113; POLS 370; RS 379; MGMT 300, 420; MKTG 419, 438; FIN 437; Foreign Language.

Non-business majors may receive a minor in Business by completing the following 30 hours: ACCT 260, 270; BLAW 301; ECON 214, 215; FIN 327; ITM 153 or ITM 231; MKTG 311; MGMT 337; STAT 221.