## Bachelor of Science in Software Engineering Study Plan (Fall Start)

## Total Credit Hours: 135

## First Year (Freshman)

CodeTitleCr.Prerequisite:NG200English II3GrHLTS proregiscopie of 6 or HLN31 average source of 6 or HLN31 or (PKS100 a serve) if alsoci in FNO200)IUAE and GCC Society3FWS1002 (pr2WS 100Academic Skills for Success3all1Physics and Engineering Applications I3MTT 102 (PKS1008 created for hlns1200)2WS 100Academic Skills for Success3all1MTT 102 (PKS1008 created for hlns1200)Physics and Engineering Applications I3MTT 102 (PHY 102 Physics and Engineering Applications IL able I1MTT 102 created for hlns12003WS 100Islamic Culture3nil1CHE 201 (Created for hlns1200)3MTT 102 created for hlns12003WS 201 Created for Hours15Second YearSecond YearTotal Credit Hours3nilTotal Credit Hours15Semester 3Semester 3Semester 3Semester 4CodeTitleCr.PrerequisiteTotal Credit Hours17Semester 5Semester 5Semester 5Semester 5Semester 6CodeTitleCr.PrerequisiteSemester 6CodeTitleCr.PrerequisiteSemester 6Code <th colspan="9">First Year (Freshman)</th>	First Year (Freshman)											
SN2200   English II   3   If LTS werege soors of or EMSAN   FWS 205   LAE and GCC Society   5   FWS 10071 per (model) per (model)     NWS 100   Academic Skills for Success   3   If grade in MTT 101 or Suscing in MTT 101 or MPT   5   FWS 205   LAE and GCC Society   3   FWS 10071 per (model) per (model)     NWS 100   Academic Skills for Success   3   If grade in MTT 101 or MPT   FWS 205   LAE and GCC Society   3   FWS 10071 per (model) per (model)     NTT 102   Calculari   3   If grade in MTT 101 or MPT   FWS 205   LAE and GCC Society   3   MTT 102 cereagi     NTT 201   Calculari   3   If T200   Calculari II   3   MTT 102 cereagi     NTT 201   Calculari II   1   MTT 102 cereagi   MTT 102 cereagi   MTT 102 cereagi     NTT 201   Calculari II   3   MTT 201 cereagi   MTT 201 cereagi   MTT 201 cereagi     NTT 201   Calculari II   1   MTT 102 cereagi   MTT 102 cereagi   MTT 102 cereagi     NT 201   Physics and Engineering Applications II a   PHY 102 cereagi   MTT 201 cereagi   MTT 201 cereagi     NT 201   Physics and Engineering Applications II a   PHY 102 cereagi   MTT 201 cereagi   MTT 201 cereagi     NTT 201   Soff Society Appl	Code	Semester 1	Cr	Proroquisita	Code	Semester 2	Cr	Prorequisite				
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NNS 100       Academic Skills for Success       1       Influess in Evolution       1       1       NTT 102       Calcular       3       C gade in MTT 101 or MPT         007 1102       Calcular 1       3       nil       1       MTT 101 or MPT       1       MTT 102       Cop ENG 102/ENG200         SL 100       Islamic Culture       3       nil       1       MTT 102       Cop ENG 102/ENG200         SL 100       Islamic Culture       3       nil       1       MTT 102       Cop ENG 102/ENG200         SL 100       Islamic Culture       3       nil       1       MTT 102       Cop ENG 102/ENG200         SL 100       Islamic Culture       3       nil       3       NTT 102       Cop ENG 102/ENG200         MTT 201       Calcular I       Stream       Total Credit Hours       1       Total Credit Hours       1         MTT 201       Stream       Open Endering Applications II 1 ab       Physics and Engineering Applications II ab       1       MTT 201         T201       Intermative Applications II 1 ab       1       Physics and Engineering Applications II ab       3       SWE 201 or CSC 201         T201       Intermative Applicati							3					
MTT 102       Calculus 1       3       C grude MTT 10 or MPT         SL 100       Islanic Culture       3       nil         SL 100       Islanic Culture       3       nil         Privice and Engineering Applications I Lab       1       MTT 102 (Corenz)         Second Year (Sophonore)         Second Year (Sophonore) <td colsp<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5</td></td>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td>								5			
TT 100     General Statistics     3     nil       St. 100     Islain Culture     3     nil     CHE 201     Cop ENG 102/ENG200       St. 100     Islain Culture     3     nil     1     CHE 205 (core)       Total Credit Hours     1     CHE 205 (core)     MIT 200 (Calculus II     3     NIT 100 (Calculus II     3     NIT 200 (Calculus I			-				-					
SL 100     Islamic Culture     3     nil     1     CHE 205 (correg) <i>Total Credit Hours</i> 15     MTT 200     Calculus II     3     nrTT 102 <i>Net 201</i> Structure Programming     3     HTT 100     Communication Skills in Arabic I     3     nrTT 102 <i>Net 201</i> Structure Programming     3     HTT 100     Communication Skills in Arabic I     3     nil <i>Net 201</i> Structure Programming II     3     HTT 101 or Higher     3     Structure Programming II     Structure Programing Program Program Pro			-	ę			-					
Total Credit Hours       15       MTT 200       Calculus II       3       MTT 102         ARL 100       Communication Skills in Arabie 1       3       mil       17         Second Year (Sophomore)       Second Year (Sophomore)       Senester 3       Senester 4         WE 201       Simutured Programming Applications II ab       1       PHY 100       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Applications II ab       1       PHY 102       Physics and Engineering Application Physics and Engineering			-			5	-					
ARL 100       Communication Skills in Anbis [       3       nit         Total Credit Hours       17         Cade       Sensets 3       Sensets 4         Code       Total Credit Hours       10         Sensets 4         Code       Total Credit Hours       Sensets 4         Code       Total Credit Hours       3       MTT 20       Sensets 6         Total Credit Hours       3       Sensets 6         Total Credit Hours       18         Total Credit Hours       18         Sensets 6         Code       Total Credit Hours       18         Sensets 6         Code       Total Credit Hours       18         Sensets 6         Code       Total Credit Hours       3       Sensets 6         Code       Total Credit Hours       3       Cod	ISL 100		-	nıl			-					
Total Credit Hours       17         Second Year (Sophomer)       Semester 4         Semester 3       Semester 5         Code       Total Credit Hours       18         Semester 5       Code       Total Credit Hours       16         Semester 5       Code       Total Credit Hours       18         Semester 6       Code       Total Credit Hours       18         Semester 7 <t< td=""><td></td><td>Total Credit Hours</td><td>15</td><td></td><td></td><td></td><td>-</td><td></td></t<>		Total Credit Hours	15				-					
Second Year (Sophome)       Sensets 3         Sensets 3       Sensets 4         Code       Tritle       Code       Code       Total Credit Algebra       Sensets 4         Total Credit Hours       A MT 202 : (SPC 202)         Code       Total Credit Hours       Sensets 4         Sensets 7         Code       Total Credit Hours       Sensets 7         Sensets 7         Sensets 7       Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Sensets 7         Senset 7         Senset 7         Senset 7         Senset 7         Senset 7         Senset 7					ARL 100			nıl				
Semester 3       Semester 4         Semester 3       Semester 4         Semester 3       MTT 201       Semester 3       Semester 3         Semester 3       MTT 201       Semester 3       Semester 3         Total Credit Hours       3       Semester 3         Total Credit Hours       3       Semester 3         Code       Total Credit Hours       16         Total Credit Hours       3       Semester 5         Code       Total Credit Hours       3       Semester 5         Code       Total Credit Hours       3       Semester 5         Semester 5       Semester 6         Code       Total Credit Hours       3       Semester 6         Semester 5       Semester 6         Code       Total Credit Hours       3       Semester 5         Semester 5						Total Credit Hours	17					
Code       Title       Cr.       Prerequisite         WE 201       Structured Programming       3       MTT 101 or Higher       3       SWE 201       Structured Programming 1       3       SWE 201       Structure Structures And Algorithms       3       STT 100       Structure Structures and Algorithms       3       CSC 202       Tructured Programming 1       3       ENG 200 + fCore of Structures And Algorithms       3       CSC 202       Structures And Algorithms       3       CSC 202       Structure												
SWE 201       Structured Programming       3       MTT 101 or Hinder PHY 201       CSC 202       Programming II       3       SWE 201 or CSC 201         HY 201       Physics and Engineering Applications II Lab       1       PHY 102 + PHY 201 (co-reg)       3       SWE 201 or CSC 201         HY 201       Physics and Engineering Applications II Lab       1       PHY 102 + PHY 201 (co-reg)       3       SWE 201 or CSC 201         STT 201       Intermediate Statistics and Research Methods       3       STT 100       SWE 201 or CSC 201         Dic rete Mathematics       3       STT 100       SWE 201 or CSC 201       CSC 302         Dic rete Mathematics       3       STT 100       SWE 201 or CSC 201       CSC 302         Dic rete Mathematics       3       STT 100       SWE 201 or CSC 201       CSC 302         Statistics and Algorithms       3       SC 202 PHT 202       Engineering Economy       3       ENG 200 + MTT 102         SC 301       Data Communications and Networks       3       Junior Level       Third Year       SCS 301         SC 301       Data Computer Hitics       3       CSC 202       Formal Methods in Software Engineering       3       CSC 202         FB 490       C	Cada		Cm	Duono quigito	Codo		Cm	<b>D</b> uono quigito				
Phy 2011       Physics and Engineering Applications II 1				<u>^</u>								
UHY 201L       Physics and Engineering Applications II Lab       I       PHY 102 + PHY 201 (co-reg)         STT 201       Intermediate Statistics and Research Methods       3       STT 100       STT 100       STT 201       Intermediate Statistics and Research Methods       3       STT 100         MTT 202       Discrete Mathematics       3       STT 100       STT 100       STT 201       Intermediate Statistics and Research Methods       3       STT 100         DE 1       Open Elective 1       3       -       STT 100       Str 1100       Str							v					
Code       Str 100       Major Lective Authematics       3       STT 100       FWS 305       Technical Communications for Workplace       3       ENG 200 + (Comp. of 45CH)         Discrete Mathematics       3       STT 100       3       -       3       ENG 200 + (Comp. of 45CH)         DE 1       Open Elective 1       3       -       3       ENG 200 + (Comp. of 45CH)         De 1       Open Elective 1       3       -       3       ENG 200 + (Comp. of 45CH)         Semester 5       Trid Veatr (Junior)       3       ENG 200 + MTT 102       3       ENG 200 + MTT 102         SC 301       Data Structures and Algorithms       3       CSC 202 + MTT 202       Semester 5			1				U					
MTT 202       Discrete Mathematics       3       STT 100         DE I       Open Elective I       3       -         Total Credit Hours       16       Total Credit Hours       3       Enclose         Scmester 5       Third Year (Junior)       Semester 5       Semester 6         SCS 0.01       Data Structures and Algorithms       3       CSC 202 + MTT 202       Set 203 + MTT 204       Introduction to Linear Algebra       18         SCS 0.01       Data Structures and Algorithms       3       CSC 202 + MTT 202       Set 203 + MTT 204       Introduction to Linear Algebra       18         SCS 0.01       Data Structures and Algorithms       3       CSC 202 + MTT 202       System and Network Administration       3       CSC 305         SWE 401       Software Engineering       3       CSC 202       TE 421       Native Mobile Application Development       3       CSC 202         E       Open Elective I       3       -       Total Credit Hours       3       ENG 200 + (Comp. of 60CH)         SWE 399       Internship/Project in Software Engineering       3       90 Credit Hours       18       Total Credit Hours       18         SWE 499       Cade       Title			3				-					
DE 1       Open Elective 1       3        Total Credit Hours       3       ENG 200 + MTT 102         Total Credit Hours       16       Total Credit Hours       3       ENG 200 + MTT 102         Semester 5       Total Credit Hours       18         Semester 6         Code       Title       Cr.       Perequisite         Semester 6         Code Title       Cr.       Perequisite         Semester 6         Code Title       Code Title       Code Title       Code Title       Code Title       Code Title       Code Cr.       Perequisite         Semester 7         Code Title       Credit Hours       3       CSC 202         Summer Semester         Summer Semester         Semester 7         Code Title       Credit Hours       18         Summer Semester 7         Code       Title <td <="" colspan="4" td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td></td></td>	<td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td>						-				-	
Total Credit Hours       16       Third Year       Total Credit Hours       18         Sensets 5       Sensets 5       Sensets 6       Sensets 6         Code       Title       Cr       Perequisite       Sensets 6         SSC 301       Data Structures and Algorithms       3       CSC 202       Sensets 6       Sec 303       Sec 304       Sec 302       Sec 304       Sec 305       Sec 305       Sec 305       Sec 305       Sec 305       Sec 305       Sec 302       Sec	OE 1		-	-								
Semester 5       Semester 5         Code       Title       Cr.       Prerequisite         SCS 301       Data Structures and Algorithms       3       CSC 202 + MTT 202         SSC 305       Data Communications and Networks       3       Junior Level       3       CSC 303         SSC 305       Data Communications and Networks       3       Junior Level       3       CSC 304         SWE 301       Software Requirements and Specification       3       CSC 202       TIE 422       System and Network Administration       3       CSC 305         WE 301       Software Requirements and Specification       3       CSC 202       TIE 422       System and Network Administration       3       CSC 202         TE 390       Computer Ethics       3       CSC 202       TIE 421       Native Mobile Application Development       3       CSC 202         ME 1       Major Elective I       3       -       FWS 310       Fund. of Innovation and Entrepreneurship       3       ENG 200 + (Comp. of 60CH)         WE 399       Internship/Project in Software Engineering       3       90 Credit Hours       18        FWS 310       Fund. of Innovation and Entrepreneurship       3       ENG 20			-	11								
CodeTitleCr.PrerequisiteSC 301Data Structures and Algorithms3CSC 202 + MTT 202SSC 305Data Communications and Networks3Junior LevelSWE 371Software Requirements and Specification3CSC 202SWE 371Software Requirements and Specification3CSC 202WE 401Software Engineering3CSC 202WE 401Software Engineering3CSC 202DE 2Open Elective II3-DE 2Open Elective II3-Fortal Credit Hours3SCS 202Total Credit Hours3SCS 202Total Credit Hours3SCS 202Fourth Year (Senior)Summer SemesterCodeTitleCreditPrerequisiteSummer SemesterFourth Year (Senior)Semester 1Semester 1CodeTitleCr.PrerequisiteSummer SemesterSummer SemesterSemester 3SCS 203Semester 3CodeTitleCr.PrerequisiteSemester 8CodeTitleCr.PrerequisiteSemester 3CSC 203Semester 5Semester 6CodeTitleCr.Prerequisite												
SSC 301     Data Structures and Algorithms     3     CSC 202 + MTT 202       SSC 305     Data Communications and Networks     3     Junior Level       SSC 305     Data Communications and Specification     3     CSC 202       SWE 301     Software Engineering     3     CSC 202       SWE 401     Software Engineering     3     CSC 202       SWE 302     Open Elective I     3     CSC 202       Total Credit Hours     3     CSC 202     ME 1     Major Elective I     3     CSC 202       Total Credit Hours     3     CSC 202     ME 1     Major Elective I     3     -       Summer Semester       Summer Semester       Summer Semester       Semester 7       Semester 7       Semester 8       Semester 8       Code     Title     Cr.     Prerequisite       Semester 7       Semester 8       Code     Title     Cr.     Prerequisite       Semester 8       Semester 8 <td co<="" td=""><td colspan="8">Semester 5 Semester 6</td></td>	<td colspan="8">Semester 5 Semester 6</td>	Semester 5 Semester 6										
CSC 305   Data Communications and Networks   3   Junior Level     WE 301   Software Requirements and Specification   3   CSC 202     WE 301   Software Requirements and Specification   3   CSC 202     TE 390   Computer Ethics   3   CSC 202     TE 390   Computer Ethics   3   CSC 202     DE 2   Open Elective II   3   -     Total Credit Hours   18     Summer Semester     Summer Semester     Semester <tr< th=""><th>Code</th><th>Title</th><th>Cr.</th><th>Prerequisite</th><th>Code</th><th>Title</th><th>Cr.</th><th>Prerequisite</th></tr<>	Code	Title	Cr.	Prerequisite	Code	Title	Cr.	Prerequisite				
SWE 371       Software Requirements and Specification       3       CSC 202         WE 401       Software Engineering       3       CSC 202         WE 300       Computer Ethics       3       CSC 202         Difference       3       CSC 202         ME 1       Major Elective I       3       CSC 202         ME 2       Open Elective II       3       -       -         Summer Semester       1       Major Elective I       3       ENG 200 + (Comp. of 60CH)         WE 399       Internship/Project in Software Engineering       3       90 Credit Hours       18         Semester 7       Semester 7       Semester       Semester       Semester 8         TE 409       Information Security       3       CSC 401 or SWE 401       Set 401       Set 401         SWE 499       Coptome Design Patterns       3       CSC 202       Set 401       Set 401   <	CSC 301		-	CSC 202 + MTT 202			-					
SWE 401     Software Engineering     3     CSC 202       TE 300     Computer Ethics     3     CSC 202       DE 2     Open Elective II     3     -       Total Credit Hours     3     -       Total Credit Hours     3     -       Summer Semester     Total Credit Hours     18       Code     Total Credit Hours     18       Summer Semester     Total Credit Hours     18       Summer Semester     Total Credit Hours     18       Summer Semester     Total Credit Hours     18       Semester     Total Credit Hours     18       Summer Semester     Total Credit Hours     18       Code     Total Credit Hours     18       Semester 7     Semester 8       Code     Title     Cred     Title     Cred     Title     Code     Title     Code     Title <td>CSC 305</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td>	CSC 305		-				-					
TE 390     Computer Ethics     3     CSC 202       DE 2     Open Elective II     3     -       Total Credit Hours     18     Fourth Year     Fourth Year       Summer Semester     90 Credit Hours     18     Total Credit Hours     3     -       Code     Title     Credit     Prerequisite     70 Credit Hours     18     Total Credit Hours     18       Summer Semester     3     90 Credit Hours     3     90 Credit Hours     18     Total Credit Hours     18       Code     Title     Credit     Prerequisite     Total Credit Hours     18     Total Credit Hours     18       Summer Semester     Semester 7     Semester 7     Semester 8     Code     Title     Cr.     Prerequisite       TE 408     Information Security     3     CSC 401 or SWE 401     Semester 3     CSC 202 + CSC 305       SWE 471     Software Design and Architecture     3     CSC 202     Set 473     Software Maintenance and Evolution     3     SWE 471       SWE 499A     Capstone Design Project in Software Engineering Part A     1     90 Credit Hours     3     -     SWE 499B     Capstone Design Pro			-				-					
DE 2     Open Elective II     3     -       Total Credit Hours     18     Summer Semester     18       Summer Semester     0     Credit     Prerequisite     18       SWE 399     Internship/Project in Software Engineering     3     90 Credit Hours     18       Fourth Year (Senior)       Semester 7       Code     Title     Cr.     Prerequisite       Semester 7       Semester 7       Semester 7       Code     Title     Cr.     Prerequisite       Code     Title     Cr.     Prerequisite       Code     CSC 305       SwE 401       SwE 471     Software Design and Architecture     3     CSC 202       SwE 471     Software Design Project in Software Engineering Part A     1     90 Credit Hours     SwE 472     Software Testing and Quality Assurance     3     SWE 471       SWE 470     Object Criented Design Project in Software Engineering Part A     1     90 Credit Hours     SWE 472     Software Testing and Quality Assurance			-				-	CSC 202				
Total Credit Hours     18       Summer Semester     Total Credit Hours     18       Summer Semester     Total Credit Hours     18       Code     Title     Credit     Prerequisite       SWE 399     Internship/Project in Software Engineering     3     90 Credit Hours     18       Fourth Year (Senior)       Semester 7       Semester 7       Semester 7       Semester 8       Code     Title     Cr.     Prerequisite       Code     Title     Cr.     Prerequisite       Semester 8       Semester 8       Semester 8       Code     Title     Cr.     Prerequisite       Code     Title     Code     Title     Code     Title     Code     Title     CSC 408     Distributed Information Systems     3     CSC 400 IS WE 473     Software Maintenance and Evolution     3     SW			-	CSC 202			-	-				
Summer SemesterCodeTitleCreditPrerequisiteSWE 399Internship/Project in Software Engineering390 Credit HoursFourth YearSemester 7Semester 7Semester 7Semester 7Semester 7Semester 7Semester 7Semester 7Semester 7Semester 8Semester 8 <th co<="" td=""><td>OE 2</td><td>1</td><td>-</td><td>-</td><td>FWS 310</td><td>* *</td><td></td><td>ENG <math>200 + (Comp. of 60CH)</math></td></th>	<td>OE 2</td> <td>1</td> <td>-</td> <td>-</td> <td>FWS 310</td> <td>* *</td> <td></td> <td>ENG <math>200 + (Comp. of 60CH)</math></td>	OE 2	1	-	-	FWS 310	* *		ENG $200 + (Comp. of 60CH)$			
CodeTitleCreditPrerequisiteSWE 399Internship/Project in Software Engineering390 Credit HoursFourth Year (Senior)Semester 7CodeTitleCr.PrerequisiteTE 408Information Security3CSC 305TE 409Human Computer Interactions3CSC 401 or SWE 401SWE 471Software Design and Architecture3SWE 401SWE 473Object Oriented Design Patterns3CSC 202SWE 499ACapstone Design Project in Software Engineering Part A190 Credit HoursME 2Major Elective II3-Total Credit HoursTotal Credit Hours												
SWE 399     Internship/Project in Software Engineering     3     90 Credit Hours       Fourth Year (Senior)       Semester 7       Semester 7       Code     Title     Cr.     Prerequisite       Code     Title     Cr.     Prerequisite       TE 408     Information Security     3     CSC 305       TE 409     Human Computer Interactions     3     CSC 401 or SWE 401     SWE 473     Software Maintenance and Evolution     3     SWE 473     Software Testing and Quality Assurance     3     SWE 472     Software Testing and Quality Assurance     3     SWE 499B     Capstone Design Project in Software Engineering Part A     1     90 Credit Hours       ME 2     Major Elective II     3     SUE 409B       Code     Title     Cr.     Prerequisite       SWE 471     Software Design and Architecture     3												
Fourth Year (Senior)Semester 7CodeSemester 8CodeCr.PrerequisiteCodeTitleCr.PrerequisiteCodeTitleCr.PrerequisiteCSC 401 or SWE 401Semester 8CodeTitleCr.PrerequisiteCSC 401 or SWE 401SWE 473Software Maintenance and Evolution3CSC 408Distributed Information Systems3CSC 408Distributed Information Systems3SWE 471SWE 473Software Testing and Quality Assurance3SWE 471SWE 499ACapstone Design Project in Software Engineering Part A190 Credit HoursME 2Major Elective II3-Total Credit H				-								
Semester 7Semester 8CodeTitleCr.PrerequisiteTE 408Information Security3CSC 305TE 409Human Computer Interactions3CSC 401 or SWE 401SWE 471Software Design and Architecture3SWE 401SWE 370Object Oriented Design Patterns3CSC 202SWE 499ACapstone Design Project in Software Engineering Part A1ME 2Major Elective II3-Total Credit HoursTotal Credit Hours	SWE 399	Internship/Project in Software Engineering	3	90 Credit Hours								
Semester 7Semester 8CodeTitleCr.PrerequisiteTE 408Information Security3CSC 305TE 409Human Computer Interactions3CSC 401 or SWE 401SWE 471Software Design and Architecture3SWE 401SWE 370Object Oriented Design Patterns3CSC 202SWE 499ACapstone Design Project in Software Engineering Part A1ME 2Major Elective II3-Total Credit HoursTotal Credit Hours	Fourth Vear (Senior)											
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TE 408Information Security3CSC 305TE 409Human Computer Interactions3CSC 401 or SWE 401SWE 471Software Design and Architecture3SWE 401SWE 471Software Design and Architecture3SWE 401SWE 370Object Oriented Design Patterns3CSC 202SWE 499ACapstone Design Project in Software Engineering Part A190 Credit HoursME 2Major Elective II3-Total Credit Hours14	Code		Cr.	Prerequisite	Code		Cr.	Prerequisite				
TE 409Human Computer Interactions3CSC 401 or SWE 401SWE 4013SWE 401SWE 471Software Design and Architecture3SWE 401SWE 472Software Maintenance and Evolution3SWE 401SWE 370Object Oriented Design Patterns3CSC 202ME 3Major Elective III3-SWE 499ACapstone Design Project in Software Engineering Part A190 Credit Hours3-SWE 499BCapstone Design Project in Software Engineering Part B2SWE 499AME 2Major Elective II3-Total Credit Hours14	ITE 408			1				*				
SWE 471     Software Design and Architecture     3     SWE 401     SWE 472     Software Testing and Quality Assurance     3     SWE 471       SWE 370     Object Oriented Design Patterns     3     CSC 202     ME 3     Major Elective III     3     -       SWE 499A     Capstone Design Project in Software Engineering Part A     1     90 Credit Hours     3     -     SWE 499B     Capstone Design Project in Software Engineering Part B     2     SWE 499A       ME 2     Major Elective II     3     -     Total Credit Hours     14	ITE 409	· · · · · · · · · · · · · · · · · · ·	3			,	3					
SWE 370     Object Oriented Design Patterns     3     CSC 202     ME 3     Major Elective III     3     -       SWE 499A     Capstone Design Project in Software Engineering Part A     1     90 Credit Hours     3     -     SWE 499B     Capstone Design Project in Software Engineering Part B     2     SWE 499A       ME 2     Major Elective II     3     -     Total Credit Hours     14		1	-									
SWE 499A     Capstone Design Project in Software Engineering Part A     1     90 Credit Hours       ME 2     Major Elective II     3     -		5	-				-					
ME 2 Major Elective II 3 - Total Credit Hours 14							-	- SW/E 400 A				
				90 Credit Hours	5WE 499B			5WE 499A				
Iotal Credit Hours16	ME 2	5		-		Total Credit Hours	14					
		Total Credit Hours	16									