

Course Guideline

Automotive Design and Manufacturing Engineering (ADME) Program

(Apply for student ID 61 - 64)

FIRST SEMESTER

SECOND SEMESTER

Year 1/1

<input type="checkbox"/> 2190101 COMP PROG	3 CREDITS
<input type="checkbox"/> 2190151 COMP PROG LAB	1 CREDIT
<input type="checkbox"/> 2301107 CALCULUS I (1a)	3 CREDITS
<input type="checkbox"/> 2302103 GEN CHEM LAB	1 CREDIT
<input type="checkbox"/> 2302105 CHEM ENGS	3 CREDITS
<input type="checkbox"/> 2304153 PHYS ENGS	3 CREDITS
<input type="checkbox"/> 2304193 PHYS LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501112 COMM ENG I (2a)	3 CREDITS
Total	18 CREDITS

Year 1/2

<input type="checkbox"/> 2140111 EXPL ENG WORLD	3 CREDITS
<input type="checkbox"/> 2183101 ENG GRAPHICS	3 CREDITS
<input type="checkbox"/> 2189101 ENG MAT	3 CREDITS
<input type="checkbox"/> 2301108 CALCULUS II (1b)	3 CREDITS
<input type="checkbox"/> 2304154 PHYS ELEC ENGS	3 CREDITS
<input type="checkbox"/> 2304194 PHYS ELECS LAB ENGS (3a)	1 CREDIT
<input type="checkbox"/> 5501123 COMM ENG II (2b)	3 CREDITS
Total	19 CREDITS

Year 2/1

<input type="checkbox"/> 2142232 MFG AUTO ENG	3 CREDITS
<input type="checkbox"/> 2183212 STATICS (4a)	3 CREDITS
<input type="checkbox"/> 2183221 THERMODYNAMICS	3 CREDITS
<input type="checkbox"/> 2183271 AUTO ENG WORKSHOP	1 CREDIT
<input type="checkbox"/> 2183281 INTRO AUTO ENG	3 CREDITS
<input type="checkbox"/> 2184201 PROB STAT AUTO ENG	3 CREDITS
<input type="checkbox"/> 2301312 DIFF EQUATIONS (1c)	3 CREDITS
Total	19 CREDITS

Year 2/2

<input type="checkbox"/> 2142233 ENG PROECT I	2 CREDITS
<input type="checkbox"/> 2182234 INTRO SIGN SYS	3 CREDITS
<input type="checkbox"/> 2182210 ELEC CIRC (3b)/(5a)	3 CREDITS
<input type="checkbox"/> 2182213 ELEC CIRC LAB	1 CREDIT
<input type="checkbox"/> 2183213 MECH MAT (4b)	3 CREDITS
<input type="checkbox"/> 2183231 DYNAMICS (6a)	3 CREDITS
<input type="checkbox"/> 5501214 COM PRES SKIL (2c)	3 CREDITS
Total	18 CREDITS

Year 3/1

<input type="checkbox"/> 2182322 ELECTRON INSTRU AUTO	3 CREDITS
<input type="checkbox"/> 2183323 FUND FLU MECH HEAT	3 CREDITS
<input type="checkbox"/> 2183261 MECH ENG LAB	2 CREDITS
<input type="checkbox"/> 2183324 SYS MODEL VIBRA	3 CREDITS
<input type="checkbox"/> 2183332 CAD/CAM/CAE	3 CREDITS
<input type="checkbox"/> 5501225 TECH WRIT (2c)	3 CREDITS
Total	17 CREDITS

Year 3/2

<input type="checkbox"/> 2142424 VEH DYNAMICS (6b)	3 CREDITS
<input type="checkbox"/> 2184342 ENG PROJ II	2 CREDITS
<input type="checkbox"/> 2183351 MOD AUTO PROP SYS	3 CREDITS
<input type="checkbox"/> 2184343 AUTO ENG PREPROJ	3 CREDITS
<input type="checkbox"/> 2142344 MANAGE AUTO IND	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	17 CREDITS

Year 3/3 (SUMMER)

<input type="checkbox"/> 2140301 INDUS TRAINING	2 CREDITS
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Year 4/1

<input type="checkbox"/> 2142498 AUTO ENG PREPROJ	1 CREDIT
<input type="checkbox"/> 2183426 VEH SYS DESIGN	3 CREDITS
<input type="checkbox"/> 2182430 SYS DYNAM CTRL (4b)	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	19 CREDITS

Year 4/2

<input type="checkbox"/> 2142499 AUTO ENG PROJECT	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	15 CREDITS

Total Credits for graduation 144

Note

- **Xa** is a prerequisite subject for **Xb** and **xb** is also a prerequisite subject for **Xc**. (Example: Have to pass 2a before register 2b)

Course Guideline

Aerospace Engineering (AERO) Program

(Apply for student ID 61 - 64)

FIRST SEMESTER

Year 1/1

<input type="checkbox"/> 2140111 EXPL ENG WORLD	3 CREDITS
<input type="checkbox"/> 2145211 INTRO AERO ENG	3 CREDITS
<input type="checkbox"/> 2301107 CALCULUS I (1a)	3 CREDITS
<input type="checkbox"/> 2304153 PHYSICS ENGS	3 CREDITS
<input type="checkbox"/> 2304193 PHYSICS LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501112 COMM ENG I (2a)	3 CREDITS
Total	16 CREDITS

Year 2/1

<input type="checkbox"/> 2145217 SCI PROG	3 CREDITS
<input type="checkbox"/> 2183211 ENG MECH	4 CREDITS
<input type="checkbox"/> 2183221 THERMODYNAMICS (3a)	3 CREDITS
<input type="checkbox"/> 2301215 MULTIVAR CALCULUS (1c)	3 CREDITS
<input type="checkbox"/> 2301216 LIN ALG DIFFL EQ (1c)	3 CREDITS
<input type="checkbox"/> 5501214 COM PRES SKIL (2c)	3 CREDITS
Total	19 CREDITS

Year 3/1

<input type="checkbox"/> 2145311 AERODYNAMICS I (4b)/(5a)	3 CREDITS
<input type="checkbox"/> 2145326 AIR STRUC	3 CREDITS
<input type="checkbox"/> 2145361 AERO ENG LAB I (6a)	2 CREDITS
<input type="checkbox"/> 2145327 AIR PERFORMANCE	3 CREDITS
<input type="checkbox"/> 2145420 AVIONICS	3 CREDITS
<input type="checkbox"/> 2190151 COMP PROG LAB	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	18 CREDITS

Year 3/3 (SUMMER)

<input type="checkbox"/> 2140301 INDUS TRAINING	2 CREDITS
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Year 4/1

<input type="checkbox"/> 2145363 AERO ENG LAB III (6c)	2 CREDITS
<input type="checkbox"/> 2145479 AERO ENG PROJ PROP (7a)	3 CREDITS
<input type="checkbox"/> 2145461 AIR DSGN	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	17 CREDITS

SECOND SEMESTER

Year 1/2

<input type="checkbox"/> 2145221 INTRO AIR DSGN	1 CREDIT
<input type="checkbox"/> 2183101 ENG GRAPHICS	3 CREDITS
<input type="checkbox"/> 2301108 CALCULUS II (1b)	3 CREDITS
<input type="checkbox"/> 2302103 GEN CHEM LAB	1 CREDIT
<input type="checkbox"/> 2302105 CHEM ENGS	3 CREDITS
<input type="checkbox"/> 2304154 PHYS ELEC ENGS	3 CREDITS
<input type="checkbox"/> 2304194 PHYS ELEC LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501123 COMM ENG II (2b)	3 CREDITS
Total	18 CREDITS

Year 2/2

<input type="checkbox"/> 2145290 AERO ENG SEM I	1 CREDIT
<input type="checkbox"/> 2182203 PROB STAT ENGS (1c)	3 CREDITS
<input type="checkbox"/> 2183222 FLUID MECH (4a)	3 CREDITS
<input type="checkbox"/> 2183231 DYNAMICS	3 CREDITS
<input type="checkbox"/> 2183381 NUM METH FOR ENG	3 CREDITS
<input type="checkbox"/> 2189101 ENG MAT	3 CREDITS
<input type="checkbox"/> 5501225 TECH WRITING (2c)	3 CREDITS
Total	19 CREDITS

Year 3/2

<input type="checkbox"/> 2145312 AERODYNAMICS II (3b)/(5b)	3 CREDITS
<input type="checkbox"/> 2145329 AIR PROPULSION (3b)/(4b)	3 CREDITS
<input type="checkbox"/> 2145328 AIR STAB CONT	3 CREDITS
<input type="checkbox"/> 2145362 AERO ENG LAB II (6b)	2 CREDITS
<input type="checkbox"/> 2145390 AERO ENG SEM II	1 CREDIT
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	18 CREDITS

Year 4/2

<input type="checkbox"/> 2145490 AERO ENG SEM III	1 CREDIT
<input type="checkbox"/> 2145489 AERO ENG PROJ (7b)	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	16 CREDITS

Total Credits for graduation 143

Note

- **Xa** is a prerequisite subject for Xb and Xb is also a prerequisite subject for Xc. (Ex: Have to pass 2a before register 2b)

Course Guideline

Robotics and Artificial Intelligence Engineering (AI) Program

(Apply for student ID 61 - 64)

FIRST SEMESTER

Year 1/1

<input type="checkbox"/> 2147103 DISCRETE MATH	3 CREDITS
<input type="checkbox"/> 2190101 COMP PROG	3 CREDITS
<input type="checkbox"/> 2301107 CALCULUS I (1a)	3 CREDITS
<input type="checkbox"/> 2304153 PHYSICS ENGS (2a)	3 CREDITS
<input type="checkbox"/> 2304193 PHYSICS LAB ENGS (co-2a)	1 CREDIT
<input type="checkbox"/> 5501112 COMM ENG I (3a)	3 CREDITS
<input type="checkbox"/> 2147111 EXPL ROBOTICS ENG	3 CREDITS
Total	19 CREDITS

Year 2/1

<input type="checkbox"/> 2147204 LIN ALGE MUL CAL (1c)	3 CREDITS
<input type="checkbox"/> 2147206 DIGITAL CIRCUIT	3 CREDITS
<input type="checkbox"/> 2183212 STATICS (4a)	3 CREDITS
<input type="checkbox"/> 2147211 ENG DE PRO CAD	3 CREDITS
<input type="checkbox"/> 2147212 ROBO PROJECT I (5a)	1 CREDIT
<input type="checkbox"/> 5501214 COM PRES SKIL (3c)	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	19 CREDITS

Year 3/1

<input type="checkbox"/> 2183213 MECH MAT (4b)	3 CREDITS
<input type="checkbox"/> 2147310 MECH ENG DESIGN	3 CREDITS
<input type="checkbox"/> 2147314 ROBO PROJECT III (7a)	1 CREDIT
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
Total	16 CREDITS

Year 3/3 (SUMMER)

<input type="checkbox"/> 2140301 INDUS TRAINING	2 CREDITS
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Year 4/1

<input type="checkbox"/> 2147416 FINAL PROJECT I (8a)	1 CREDIT
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
Total	15 CREDITS

SECOND SEMESTER

Year 1/2

<input type="checkbox"/> 2301108 CALCULUS II (1b)	3 CREDITS
<input type="checkbox"/> 2304154 PHYS ELEC ENGS (2b)	3 CREDITS
<input type="checkbox"/> 2304194 PHYS ELEC LAB ENGS (co-2b)	1 CREDIT
<input type="checkbox"/> 2182203 PROB STAT ENG	3 CREDITS
<input type="checkbox"/> 2147105 DATA STRUC	3 CREDITS
<input type="checkbox"/> 5501123 COMM ENG II (3b)	3 CREDITS
<input type="checkbox"/> 2147102 INTRO TO ROBOTIS	3 CREDITS
Total	19 CREDITS

Year 2/2

<input type="checkbox"/> 2183231 DYNAMICS (4b)/(6a)	3 CREDITS
<input type="checkbox"/> 2147213 ROBO PROJECT II (5b)	3 CREDITS
<input type="checkbox"/> 5501225 TECH WRIT (3c)	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
Total	15 CREDITS

Year 3/2

<input type="checkbox"/> 2147307 LOGIC DESIGN	3 CREDITS
<input type="checkbox"/> 2147308 INDUSTRIAL ROBO (6b)	3 CREDITS
<input type="checkbox"/> 2147309 MECHATRONICS	3 CREDITS
<input type="checkbox"/> 2147315 ROBO PROJECT IV (7b)	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	15 CREDITS

Year 4/2

<input type="checkbox"/> 2147417 FINAL PROJECT II (8b)	6 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
Total	15 CREDITS

Total Credits for graduation 135

Note

- **Xa** is a prerequisite subject for Xb and xb is also a prerequisite subject for Xc. (Example: Have to pass 2a before register 2b)

- **co-Xa** is a co-requisite subject for Xa. If you take/drop/withdraw Xa subject, you have to take/drop/withdraw co-Xa.

Course Guideline

Information and Communication Engineering (ICE) Program

(Apply for student ID 61 - 64)

FIRST SEMESTER

Academic Year 2562/1

<input type="checkbox"/> 2190101 COMP PROG (1a)	3 CREDITS
<input type="checkbox"/> 2190151 COMP PROG LAB	1 CREDIT
<input type="checkbox"/> 2301107 CALCULUS I (2a)	3 CREDITS
<input type="checkbox"/> 2302103 GEN CHEM LAB	1 CREDIT
<input type="checkbox"/> 2302105 CHEM ENGS	3 CREDITS
<input type="checkbox"/> 2304153 PHYSICS ENGS	3 CREDITS
<input type="checkbox"/> 2304193 PHYSICS LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501112 COMM ENG I (3a)	3 CREDITS
Total	18 CREDITS

Academic Year 2563/1

<input type="checkbox"/> 2143101 INTRO ICE	3 CREDITS
<input type="checkbox"/> 2182202 ADV MATH METH (2c)/(5a)	3 CREDITS
<input type="checkbox"/> 2182211 ELEC CIR ICE (4b)	3 CREDITS
<input type="checkbox"/> 2182212 CIR DIG ELEC LAB (co-4b)	3 CREDITS
<input type="checkbox"/> 2190102 ADV COMP PROG (1b)/(6a)	2 CREDITS
<input type="checkbox"/> 2190152 ADV COMP PROG LAB (co-6b)	1 CREDIT
<input type="checkbox"/> 2190200 DISCRETE STRUC	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	18 CREDITS

Academic Year 2564/1

<input type="checkbox"/> 2182370 INTRO DIG COMM	3 CREDITS
<input type="checkbox"/> 2182371 PRIN DATA COMM	3 CREDITS
<input type="checkbox"/> 2184301 ENG ECON APP	3 CREDITS
<input type="checkbox"/> 2190213 PRIN INFO SYS (6b)	3 CREDITS
<input type="checkbox"/> 2190472 NETCENT ARCH (1b)	3 CREDITS
<input type="checkbox"/> 5501214 COM PRES SKIL (3c)	3 CREDITS
Total	18 CREDITS

Academic Year 2564/3 (SUMMER)

<input type="checkbox"/> 2140301 INDUS TRAINING	2 CREDITS
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Academic Year 2565/1

<input type="checkbox"/> 2143491 ICE PREPROJ (9a)	1 CREDIT
<input type="checkbox"/> 2190415 ENT INFO SYS	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	15 CREDITS

SECOND SEMESTER

Academic Year 2562/2

<input type="checkbox"/> 2140111 EXPL ENG WORLD	3 CREDITS
<input type="checkbox"/> 2183101 ENG GRAPHICS	3 CREDITS
<input type="checkbox"/> 2189101 ENG MAT	3 CREDITS
<input type="checkbox"/> 2301108 CALCULUS II (2b)	3 CREDITS
<input type="checkbox"/> 2304154 PHYS ELEC ENGS (4a)	3 CREDITS
<input type="checkbox"/> 2304194 PHYS ELEC LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501123 COMM ENG II (3b)	3 CREDITS
Total	19 CREDITS

Academic Year 2563/2

<input type="checkbox"/> 2182203 PROB STAT ENG (2c)	3 CREDITS
<input type="checkbox"/> 2182204 SIG LIN SYS (5b)	3 CREDITS
<input type="checkbox"/> 2184202 TECH ENG MGT	3 CREDITS
<input type="checkbox"/> 2190221 FUND DS ALG (1b)/(7a)	3 CREDITS
<input type="checkbox"/> 2190250 COMP ARCH ORG	3 CREDITS
<input type="checkbox"/> 2190261 FUND DS ALG LAB (co-7a)	1 CREDIT
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	19 CREDITS

Academic Year 2564/2

<input type="checkbox"/> 2143399 ICE CAPSTONE	3 CREDITS
<input type="checkbox"/> 2182372 PRIN TELECOMM	3 CREDITS
<input type="checkbox"/> 2184304 FUND OM	3 CREDITS
<input type="checkbox"/> 2190422 DATABASE SYS (8a)	2 CREDITS
<input type="checkbox"/> 2190423 SOFTWARE ENG	3 CREDITS
<input type="checkbox"/> 2190462 DATABASE SYS LAB (co-8a)	1 CREDIT
<input type="checkbox"/> 5501225 TECH WRIT (3c)	3 CREDITS
Total	18 CREDITS

Academic Year 2565/2

<input type="checkbox"/> 2143499 ICE PROJECT (9b)	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	18 CREDITS

Note

- **Xa** is a prerequisite subject for **Xb** and **Xb** is also a prerequisite subject for **Xc**. (Example: Have to pass **2a** before register **2b**)

- **co-Xa** is a co-requisite subject for **Xa**. If you withdraw **Xa** subject, you have to withdraw **co-Xa**.

Total Credits for graduation 146

Course Guideline

Nano Engineering (NANO) Program

(Apply for student ID 60 - 63)

A. BIOENGINEERING

FIRST SEMESTER

SECOND SEMESTER

Year 1/1

<input type="checkbox"/> 2190101 COMP PROG	3 CREDITS
<input type="checkbox"/> 2190151 COMP PROG LAB	1 CREDIT
<input type="checkbox"/> 2301107 CALCULUS I (1a)	3 CREDITS
<input type="checkbox"/> 2140111 EXPL ENG WORLD	3 CREDITS
<input type="checkbox"/> 2304153 PHYSICS ENGS	3 CREDITS
<input type="checkbox"/> 2304193 PHYSICS LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501112 COMM ENG I (2a)	3 CREDITS
Total	17 CREDITS

Year 1/2

<input type="checkbox"/> 2141100 INTRO NANO	3 CREDITS
<input type="checkbox"/> 2183101 ENG GRAPHICS	3 CREDITS
<input type="checkbox"/> 2301108 CALCULUS II (1b)	3 CREDITS
<input type="checkbox"/> 2302103 GEN CHEM LAB (3a)	1 CREDIT
<input type="checkbox"/> 2302105 CHEM ENGS (4a)	3 CREDITS
<input type="checkbox"/> 2304154 PHYS ELEC ENGS (5a)	3 CREDITS
<input type="checkbox"/> 2304194 PHYS ELEC LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501123 COMM ENG II (2b)	3 CREDITS
Total	20 CREDITS

Year 2/1

<input type="checkbox"/> 2182201 MATH NANO (1c)	3 CREDITS
<input type="checkbox"/> 2182210 ELEC CIRC (5b)	3 CREDITS
<input type="checkbox"/> 2183211 ENG MECH	4 CREDITS
<input type="checkbox"/> 2189202 FUND MAT SCI ENG	3 CREDITS
<input type="checkbox"/> 2302106 BSC ORG CHEM	3 CREDITS
<input type="checkbox"/> 2302203 ORG CHEM LAB (3b)	1 CREDIT
<input type="checkbox"/> 5501214 COM PRES SKIL (2c)	3 CREDITS
Total	20 CREDITS

Year 2/2

<input type="checkbox"/> 2141290 STAT RES MET NANO (1c)	3 CREDITS
<input type="checkbox"/> 2182213 ELEC CIRC LAB	1 CREDITS
<input type="checkbox"/> 2303111 BIO ENG (6a)	3 CREDITS
<input type="checkbox"/> 2303112 BIOLOGY LAB ENGR	1 CREDIT
<input type="checkbox"/> 2185222 PHYS CHEM NANO	3 CREDITS
<input type="checkbox"/> 2302207 BASIC INOR CHEM	2 CREDITS
<input type="checkbox"/> 5501225 TECH2 WRITING (2c)	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	19 CREDITS

Year 3/1

<input type="checkbox"/> 2189341 MAT CHARN	3 CREDITS
<input type="checkbox"/> 2182312 SIG PRO INSTR (5c)	3 CREDITS
<input type="checkbox"/> 2141355 INTRO BIOEN	3 CREDITS
<input type="checkbox"/> 2185373 REACT ENG (4b)	3 CREDITS
<input type="checkbox"/> 2310380 BIOCHEM BIOENG	3 CREDITS
<input type="checkbox"/> 2310381 BIOCHEM LAB BIOENG	1 CREDIT
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	19 CREDITS

Year 3/2

<input type="checkbox"/> 2184303 ENG MGT	3 CREDITS
<input type="checkbox"/> 2141302 NANO FAB TECH	3 CREDITS
<input type="checkbox"/> 2185333 TRANS PHENOM	3 CREDITS
<input type="checkbox"/> 2141357 CELL BIO HUM BO	3 CREDITS
<input type="checkbox"/> 2189356 MAT BIOMED (6b)	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	18 CREDITS

Year 1/3 (SUMMER)

<input type="checkbox"/> 2140301 INDUS TRAINING	2 CREDITS
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Year 4/1

<input type="checkbox"/> 2141498 NANO PREPROJ	1 CREDIT
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
Total	16 CREDITS

Year 4/2

<input type="checkbox"/> 2141490 NANO SEM	1 CREDITS
<input type="checkbox"/> 2141499 NANO ENG PROJ	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____ GENERAL EDUCATION	3 CREDITS
Total	16 CREDITS

Note

- **Xa** is a prerequisite subject for **Xb** and **Xb** is also a prerequisite subject for **Xc**. (Ex: Have to pass 2a before register 2b)

Total Credits for graduation 147

Course Guideline

Nano Engineering (NANO) Program

(Apply for student ID 60 - 63)

B. ADVANCED MATERIAL ENGINEERING

FIRST SEMESTER

SECOND SEMESTER

Year 1/1

<input type="checkbox"/> 2190101 COMP PROG	3 CREDITS
<input type="checkbox"/> 2190151 COMP PROG LAB	1 CREDIT
<input type="checkbox"/> 2301107 CALCULUS I (1a)	3 CREDITS
<input type="checkbox"/> 2140111 EXPL ENG WORLD	3 CREDITS
<input type="checkbox"/> 2304153 PHYSICS ENGS	3 CREDITS
<input type="checkbox"/> 2304193 PHYSICS LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501112 COMM ENG I (2a)	3 CREDITS
Total	17 CREDITS

Year 1/2

<input type="checkbox"/> 2141100 INTRO NANO	3 CREDITS
<input type="checkbox"/> 2183101 ENG GRAPHICS	3 CREDITS
<input type="checkbox"/> 2301108 CALCULUS II (1b)	3 CREDITS
<input type="checkbox"/> 2302103 GEN CHEM LAB (3a)	1 CREDIT
<input type="checkbox"/> 2302105 CHEM ENGS	3 CREDITS
<input type="checkbox"/> 2304154 PHYS ELEC ENGS (4a)	3 CREDITS
<input type="checkbox"/> 2304194 PHYS ELEC LAB ENGS	1 CREDIT
<input type="checkbox"/> 5501123 COMM ENG II (2b)	3 CREDITS
Total	20 CREDITS

Year 2/1

<input type="checkbox"/> 2182201 MATH NANO (1c)	3 CREDITS
<input type="checkbox"/> 2182210 ELEC CIRC (4b)	3 CREDITS
<input type="checkbox"/> 2183211 ENG MECH (5a)	4 CREDITS
<input type="checkbox"/> 2189202 FUND MAT SCI ENG (6a)	3 CREDITS
<input type="checkbox"/> 2302106 BSC ORG CHEM	3 CREDITS
<input type="checkbox"/> 2302203 ORG CHEM LAB (3b)	1 CREDIT
<input type="checkbox"/> 5501214 COM PRES SKIL (2c)	3 CREDITS
Total	20 CREDITS

Year 2/2

<input type="checkbox"/> 2141290 STAT RES MET NANO (1c)	3 CREDITS
<input type="checkbox"/> 2182213 ELEC CIRC LAB	1 CREDITS
<input type="checkbox"/> 2303111 BIO ENG	3 CREDITS
<input type="checkbox"/> 2303112 BIOLOGY LAB ENGR	1 CREDIT
<input type="checkbox"/> 2185222 PHYS CHEM NANO (7a)	3 CREDITS
<input type="checkbox"/> 5501225 TECH2 WRITING (2c)	3 CREDITS
<input type="checkbox"/> _____GENERAL EDUCATION	3 CREDITS
Total	17 CREDITS

Year 3/1

<input type="checkbox"/> 2189341 MAT CHARN	3 CREDITS
<input type="checkbox"/> 2182312 SIG PRO INSTR (4c)	3 CREDITS
<input type="checkbox"/> 2141305 NANOSTR CRYST DEFEC	3 CREDITS
<input type="checkbox"/> 2185302 THERMO MAT ENG (8a)	3 CREDITS
<input type="checkbox"/> 2185379 POLYMER ENG	3 CREDITS
<input type="checkbox"/> _____GENERAL EDUCATION	3 CREDITS
Total	18 CREDITS

Year 3/2

<input type="checkbox"/> 2184303 ENG MGT	3 CREDITS
<input type="checkbox"/> 2141302 NANO FAB TECH (7b)	3 CREDITS
<input type="checkbox"/> 2185333 TRANS PHENOM	3 CREDITS
<input type="checkbox"/> 2189322 PHA TRAN KINETICS (8b)	3 CREDITS
<input type="checkbox"/> 2189370 PHY MET (6b)	3 CREDITS
<input type="checkbox"/> _____GENERAL EDUCATION	3 CREDITS
Total	18 CREDITS

Year 1/3 (SUMMER)

<input type="checkbox"/> 2140301 INDUS TRAINING	2 CREDITS
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Year 4/1

<input type="checkbox"/> 2141498 NANO PREPROJ	1 CREDIT
<input type="checkbox"/> 2189411 MECH BEHAV MAT (5b)	3 CREDITS
<input type="checkbox"/> _____APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____FREE ELECTIVE	3 CREDITS
Total	19 CREDITS

Year 4/2

<input type="checkbox"/> 2141490 NANO SEM	1 CREDITS
<input type="checkbox"/> 2141499 NANO ENG PROJ	3 CREDITS
<input type="checkbox"/> 2189450 MAT DSGN SEL	3 CREDITS
<input type="checkbox"/> _____APPROVED ELECTIVE	3 CREDITS
<input type="checkbox"/> _____FREE ELECTIVE	3 CREDITS
<input type="checkbox"/> _____GENERAL EDUCATION	3 CREDITS
Total	16 CREDITS

Total Credits for graduation 147

Note

- **Xa** is a prerequisite subject for **Xb** and **Xb** is also a prerequisite subject for **Xc**. (Ex: Have to pass 2a before register 2b)