**Mitchell Community College Engineering Advising Form 2017-2018**

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| **Last Name:** | | **First Name:** | **Middle:** | **Date:** |
| **Student ID** | **Campus:** | **Phone:** | **GPA program** | **GPA overall** |
| **email:** @students.mitchellcc.edu | | | **Working?**  **Hrs/wk =** | **Financial Aid**  **Veteran**  **NONE** |
| **Catalog Year:** | | |
| **1st choice Proposed Engr Major:** **University:** | | | | |
| **2nd choice Proposed Engr Major:** **University:** | | | | |

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| **COMPETITIVE GPA TO TRANSFER (calculated by the University, and subject to change every year)**  **ACCEPTANCE INTO AN ENGINEERING UNIVERSITY PROGRAM IS NOT GUARANTEED** | | | | |
| **ECU**  **2.5 GPA overall**  **Biomedical Engr**  **Bioprocess Engr**  **Electrical Engr**  **Environmental Engr**  **Industrial & Systems Engr**  **Mechanical Engr**  **All ENGR students must take**  **MAT 285 Differential Eq.**  **and**  **MAT 280 Linear Alg.**  **and**  **EGR 220 Statics** | **NC A&T**  **2.5 GPA overall**  **Chemical, Biological, Bioengineering Engr (CBEN)**  **Civil, Architectural, Environmental Engr (CAEE)**  **Computer Science (COMP)**  **Electrical and Computer Engr(ELEN)**  **Industrial and Systems Engr (INEN)**  **Mechanical Engr (MEEN)**  **Mechanical Engineering Aerospace option** | **NCSU** **FALL TRANSFERS ONLY**  **3.5+ GPA overall for**  **BioEngr, Biomed (separate application), Chem E. Civil, Comp E, Comp. Sci, Construc, Elec.E, Enviro, Industrial, Matr’l, Nuclear, Paper, Textiles**  **3.8+ GPA overall for Mech E and Aerospace** **Required Calculus for** A**LL Engineering Majors:****MAT 273 & MAT 285****Required Calculus for****Computer Science****MAT 273 &** **MAT 280** | **UNC CHARLOTTE**  **2.5 for the following**  **Civil & Environmental**  **Computer Science**  **Electrical & Computer**  **Systems & Engr Management**  **3.0 GPA overall for all Mechanical degrees**  **Mechanical concentration biomedical**  **Mechanical Engineering concentration**  **Energy Systems**  **Mechanical Engineering concentration**  **Motorsports** | **UNC ASHEVILLE**  **3.0 GPA overall**  **Mechatronics**  **Joint program with NCSU**  **3.0 GPA**  **must contact UNC Asheville** |
| **WESTERN CAROLINA**  **2.5 GPA overall**  **Electrical Engineering**  **Engineering with concentration in Mechanical**  **accredited 2017** |
| **CHAPEL HILL**  **3.5 GPA**  **Biomedical**  **Computer Science** |

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| **EXAMPLE SEMESTER BY SEMESTER PLAN – STARTING AT MAT 271 CALCULUS I** | | | | | | | | | | | | | | | | | |
| **1st Year FALL** | | | | | | | **1st Year SPRING** | | | | | | **1st Year SUMMER** | | | | |
| MAT 271 Calculus I | | | | 4 | | | ENG 112 Writing/Research | | | 3 | | | Soc/Behv Elective | | | 3 | |
| ENG 111 Writing and Inquiry | | | | 3 | | | MAT 272 Calculus II | | | 4 | | |  | | |  | |
| CHM 151 Chemistry I | | | | 4 | | | COM 231 Public Speaking | | | 3 | | |  | | |  | |
| EGR 150 Intro to Engineering | | | | 2 | | | ECO 251 Microeconomics | | | 3 | | |  | | |  | |
| CSC 134 C++ Programming | | | | 3 | | | ACA 122 College Transfer Success | | | 1 | | |  | | |  | |
| Total SHC | | | | 16 | | | Total SHC | | | 14 | | | Total SHC | | | 3 | |
| **2nd Year FALL** | | | | | | | **2nd Year SPRING** | | | | | | **2nd Year SUMMER** | | | | |
| MAT 273 Calculus III | | | | 4 | | | PHY 252 Physics II | | | 4 | | |  | | |  | |
| PHY 251 Physics I | | | | 4 | | | MAT 285 Differential Equations | | | 3 | | |  | | |  | |
| MAT 280 Linear Algebra | | | | 3 | | | EGR Elective (220, 212) | | | 3 | | |  | | |  | |
| ENG 231 American Literature I | | | | 3 | | | DFT 170 Engineering Graphics | | | 3 | | |  | | |  | |
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| Total SHC | | | | 14 | | | Total SHC | | | 13 | | |  | | |  | |
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| **2017-2018 MITCHELL COMMUNITY COLLEGE ASSOCIATES IN ENGINEERING TRANSFERRABLE COURSES**  **TO ENGINEERING UNIVERSITIES IN NORTH CAROLINA** | | | | | | | | | | | | | | | | |
| **Courses should be selected from courses classified as premajor, elective or general education**  **courses within the Comprehensive Articulation Agreement.** | | | | | | | | | | | | | | | | |
| ***Students must meet the receiving university's foreign language and/or physical education requirements, if applicable, prior to or after transfer to the senior institution.*** | | | | | | | | | | | | | | | | |
| **AS degree SHC** | | **Course Requirements: General Education Hours** | | | | | **Total**  **SHC** | | | **Course Taken** | | | **Transfer EGR required** | **Grade rec’vd** | | |
| **6 SHC ENGLISH COMPOSITION**  **Take both** | | **ENG 111 Writing and Inquiry** | | | | | 3 | | | **ENG 111** | | | **required** |  | | |
| **ENG 112** **Writing and Research in the Disciplines** | | | | | 3 | | | **ENG 112** | | | **required** |  | | |
| **Additional Humanities, Fine Arts, Communications, and Social & Behavioral Science courses may be taken to meet requirements at the transfer University.** | | | | | | | | | | | | | | | | |
| **3 SHC HUMANITIES**  **Choose one** | | ENG 231 American Lit I or ENG 232 American Lit II | | | | | 3 | | |  | | | **choose one** |  | | |
| **PHI 240 Ethics *check with advisor, may not be accepted at all Universities.*** | | | | | 3 | | |  | | |  | | |
| **REL 110 World Religion\*** | | | | | 3 | | |  | | |  | | |
| ***\*REL 110 will transfer to all Engineering Programs at all five UNC Institutions that offer undergraduate engineering programs. May not transfer to other undergraduate degree programs*** | | | | | | | | | | | | | | |
| **3 SHC**  **FINE ARTS**  **AND COMMUNICATION**  **Choose one** | | COM 231 Public Speaking | | | | | 3 | | |  | | | **choose one** |  | | |
| ART 111 Art Appreciation or  ART 114, Art Survey I or ART 115 Art Survey II | | | | | 3 | | |  | | |  | | |
| MUS 110 Mus. Appr. or MUS 112 Intro to Jazz | | | | | 3 | | |  | | |  | | |
| **3 SHC SOC & BE** | | **ECO 251 Micro Econ.** | | | | | 3 | | | **ECO 251** | | | **required** |  | | |
| **3 SHC**  **SOCIAL & BEHAVIORAL SCIENCE**  **Choose one** | | HIS 111, or 112, (World Civ.I, II) or  HIS 131 or 132 (American His. I and II) | | | | | 3 | | |  | | | **choose one** |  | | |
| POL 120 American Government | | | | | 3 | | |  | | |  | | |
| **PSY 150 General Psychology** | | | | | 3 | | | **Recommended to take PSY 150 or SOC 210 for NCSU** | | |  | | |
| **SOC 210 Intro. to Sociology** | | | | | 3 | | |  | | |
| **PRE-REQ MATH courses** | | MAT 171 Pre-Calculus I | | | | |  | | |  | | |  |  | | |
| MAT 172 Pre-Calculus II | | | | |  | | |  | | |  |  | | |
| **12 SHC**  **MATHEMATICS** | | **MAT 271 Calculus I *pre-req MAT 172*** | | | | | 4 | | | **MAT 271** | | | **required** |  | | |
| **MAT 272 Calculus II** | | | | | 4 | | | **MAT 272** | | | **required** |  | | |
| **MAT 273 Calculus III** | | | | | 4 | | | **MAT 273** | | | **required** |  | | |
| **12 SCH**  **Natural Sciences** | | **CHM 151 General Chemistry I *pre-req MAT 171***  **(Must take CHM 090 or 092 if no Chem in HS).** | | | | | 4 | | | **CHM 151** | | | **required** |  | | |
| **PHY 251 Physics I *pre-req MAT 271 co-req MAT 272*** | | | | | 4 | | | **PHY 251** | | | **required** |  | | |
| **PHY 252 General Physics II** | | | | | 4 | | | **PHY 252** | | | **required** |  | | |
| **TOTAL GENERAL EDUCATION HOURS REQ.: 42 SHC** | | | | | | | | | | | | | | | | |
| **3 SHC**  **required hours** | | **ACA 122 College Transfer Success *take in 1st 30 hours*** | | | | | 1 | | | **ACA 122** | | | **required** |  | | |
| **EGR 150 Intro to Engineering** | | | | | 2 | | | **EGR 150** | | | **required** |  | | |
| **15 SCH**  **OTHER REQUIRED HOURS**  **Students should choose courses appropriate to the specific University and Engineering Major reqs.** | | **MAT 285 Differential Equations *pre-req MAT 272* ALL ENGR**  **MAT 280 Linear Algebra** | | | | | 3  3 | | |  | | | **required** |  | | |
| CSC 134 C++ | | | | | 3 | | |  | | |  |  | | |
| CSC 151 JAVA (*Comp. Sci majors need to take)* | | | | | 3 | | |  | | |  |  | | |
| BIO 111 General Biology *(take for Chem E, Biomed)* | | | | | 4 | | |  | | | **choose one if needed** |  | | |
| CHM 152 Chem II *(take for Chem E, Biomed)* | | | | | 4 | | |  | | |  | | |
| DFT 170 Engineering Graphics *(CAD, Solid Works)* | | | | | 3 | | |  | | |  |  | | |
| EGR 212 Logic Systems Design I pre-req MAT 272 & PHY 251  *(Electrical , Computer Engr. and Comp Sci)* | | | | | 3 | | |  | | |  |  | | |
| EGR 220 Statics *pre-req PHY 251, co-req MAT 273*,  *(req. for all Mech., Civil, Enviro, Industrial & ECU Engineering)* | | | | | 3 | | |  | | |  |  | | |
| **HUM 110 Technology and Society** | | | | | 3 | | |  | | |  |  | | |
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|  | | | | |  | | | **Highly recommended** | | |  |  | | |
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| **OTHER REQ. ENGINEEERING DEGREE HOURS 18 SHC** | | | | | | | | | | | | | | | | |
| **TOTAL SEMESTER HOURS CREDIT (SHC) in PROGRAM: 60 - 63 SHC** | | | | | | | | | | | | | | | | |
| 2015-2016 TENTATIVE SEMESTER-BY-SEMESTER PLAN | | | | | | | | | | | | | | | | | SPRING | | | | SUMMER |
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**NOTES**

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| **Other Courses not required for Associates in Engineering but transfer to Universities in specific Engineering majors**  **CHM 251 Organic Chem I, CHM 252 Organic Chem II, GEL 111 Geology,**  **and additional Psychology, Social Science, Art or Music courses may be taken but not paid for by financial aid.** |
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***Semester to* Apply for admission to (Univ)\_\_\_\_\_\_\_\_\_ for *Semester***