

**DEPARTMENT OF CHEMICAL AND BIOSYSTEMS ENGINEERING**  
**SEPTEMBER-DECEMBER 2026 SEMESTER ONE TEACHING TIMETABLE**

| DAY       | TIME          | EDCM/2022<br>B.ENG (YR 5 SEM 1) | EDCM/2023<br>B.ENG (YR 4 SEM 1) | EDCM/2024<br>B.ENG (YR 3 SEM 1)    |
|-----------|---------------|---------------------------------|---------------------------------|------------------------------------|
| MONDAY    | 7.00 - 8.00   |                                 |                                 | EMCQ 3146 ICP IA                   |
|           | 8.00 - 9.00   |                                 |                                 | <b>Mr. Ngetuny</b>                 |
|           | 9.00 - 10.00  | EMCQ 5161 BIOENERGY TECH.       |                                 | EMCQ 3144 Heat Transfer            |
|           | 10.00 - 11.00 | <b>Dr. Maina</b>                |                                 | <b>Mr. Ngetuny</b>                 |
|           | 11.00 - 12.00 |                                 | EMCQ 4144 SAFETY & RISK ENG.    | EMCQ 3142 CHEM.ENG THERMO.I        |
|           | 12:00 - 13:00 |                                 | <b>Dr.Musamali</b>              | <b>Dr.Akach</b>                    |
|           | 13:00 - 14:00 |                                 | EMCQ 4142 ICP IIA               | EMCQ 3141 PROC.REACTOR ENG II      |
|           | 14:00 - 15:00 |                                 | <b>Dr.Johra</b>                 | <b>Dr.Kagumba</b>                  |
|           | 15:00 - 16:00 |                                 | EMCQ 4101 LINEAR ALGEBRA        | EMCQ 3145 ENG.MATERIALS            |
|           | 16:00 - 17:00 |                                 |                                 | <b>Dr. Chira</b>                   |
| TUESDAY   | 7.00 - 8.00   | EMCQ 5142 IOM I                 |                                 | EMCQ 3143 FLUID MECHANICS II       |
|           | 8.00 - 9.00   | <b>Prof. Maende</b>             |                                 | <b>Dr.Maina</b>                    |
|           | 9.00 - 10.00  | EMCQ 5143 INDUSTR. POLL. CONT.I | EMCQ 4143 CHEM.ENG.DESIGN       | EMCQ 3201 PROBABILITY & STATISTICS |
|           | 10.00 - 11.00 | <b>Ms.Wamaitha</b>              | <b>Mr.Kittinya</b>              |                                    |
|           | 11.00 - 12.00 |                                 |                                 | EMCQ 3101 PARTIAL DIFF. EQNS.      |
|           | 12:00 - 13:00 |                                 |                                 |                                    |
|           | 13:00 - 14:00 | EMCQ 5151 BIOCHEM. ENG          | EMCQ 4101 LINEAR ALGEBRA        | EMCQ 3145 ENG.MATERIALS            |
|           | 14:00 - 15:00 | <b>Mr.Kittinya</b>              |                                 | <b>Dr. Chira</b>                   |
|           | 15:00 - 16:00 | EMCQ 5144 CLEANER PRODUCTION    | EMCQ 4140 MASS SEPAR. PROC.II   | EMCQ 3144 Heat Transfer            |
|           | 16:00 - 17:00 | <b>Ms.Wamaitha</b>              | <b>Dr.Kagumba</b>               | <b>Mr. Ngetuny</b>                 |
| WEDNESDAY | 7.00 - 8.00   | EMCQ 5162 ENERGY MANAGEMENT     | EMCQ 4140 MASS SEPAR. PROC.II   | EMCQ 3143 FLUID MECHANICS II       |
|           | 8.00 - 9.00   | <b>Eng. Bess</b>                | <b>Dr.Kagumba</b>               | <b>Dr.Maina</b>                    |
|           | 9.00 - 10.00  | EMCQ 5151 BIOCHEM. ENG          | EMCQ 4141 PROC.CONTR.SYS.ENG.I  | EMCQ 3201 PROBABILITY & STATISTICS |
|           | 10.00 - 11.00 | <b>Mr.Kittinya</b>              | <b>Dr. Akach</b>                |                                    |
|           | 11.00 - 12.00 | EMCQ 5145 QUALITY MANAGEMENT    | EMCQ 4145 CHEM. PROC.SIMULATION | EMCQ 3147 ENG. THERMO.II           |
|           | 12:00 - 13:00 | <b>Dr.Johra</b>                 | <b>Mr.Kittinya</b>              | <b>Prof. Marenya</b>               |
|           | 13:00 - 14:00 |                                 |                                 | EMCQ 3142 CHEM.ENG THERMO.I        |
|           | 14:00 - 15:00 |                                 |                                 | <b>Dr.Akach</b>                    |
|           | 15:00 - 16:00 |                                 | EMCQ 4146 ENG. ECONOMICS        |                                    |
|           | 16:00 - 17:00 |                                 | <b>Prof.Marenya</b>             |                                    |

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| THURSDAY | 7.00 - 8.00   | EMCQ 5161 BIOENERGY TECH.       |                                 |                               |
|          | 8.00 - 9.00   | <b>Dr. Maina</b>                |                                 |                               |
|          | 9.00 - 10.00  | EMCQ 5144 CLEANER PRODUCTION    | EMCQ 4144 SAFETY & RISK ENG.    | EMCQ 3146 ICP IA              |
|          | 10.00 - 11.00 | <b>Ms.Wamaitha</b>              | <b>Dr.Musamali</b>              | <b>Mr. Ngetuny</b>            |
|          | 11.00 - 12.00 | EMCQ 5145 QUALITY MANAGEMENT    | EMCQ 4143 CHEM.ENG. DESIGN I    | EMCQ 3147 ENG. THERMO.II      |
|          | 12:00 - 13:00 | <b>Dr.Johra</b>                 | <b>Mr.Kittinya</b>              | <b>Prof. Marenya</b>          |
|          | 13:00 - 14:00 | EMCQ 5143 INDUSTR. POLL. CONT.I | EMCQ 4142 ICP IIA               | EMCQ 3121 PHYSICAL CHEMISTRY  |
|          | 14:00 - 15:00 | <b>Ms.Wamaitha</b>              | <b>Dr.Johra</b>                 | <b>Dr.Owuor</b>               |
|          | 15:00 - 16:00 | EMCQ 5152 PHARMACEUTICAL TECH.  | EMCQ 4145 CHEM. PROC.SIMULATION | EMCQ 3141 PROC.REACTOR ENG II |
| FRIDAY   | 16:00 - 17:00 | <b>Dr. Mue</b>                  | <b>Mr.Kittinya</b>              | <b>Dr.Kagumba</b>             |
|          | 7.00 - 8.00   | EMCQ 5142 IOM I                 |                                 | EMCQ 3121 PHYSICAL CHEMISTRY  |
|          | 8.00 - 9.00   | <b>Prof. Maende</b>             |                                 | <b>Dr.Owuor</b>               |
|          | 9.00 - 10.00  | EMCQ 5162 ENERGY MANAGEMENT     | EMCQ 4141 PROC.CONTR.SYS.ENG.I  | EMCQ 3101 PARTIAL DIFF. EQNS. |
|          | 10.00 - 11.00 | <b>Eng. Bess</b>                | <b>Dr. Akach</b>                | <b>Dr. Felistas</b>           |
|          | 11.00 - 12.00 | EMCQ 5141 DESIGN PROJECT I      |                                 |                               |
|          | 12:00 - 13:00 | <b>Supervisors</b>              |                                 |                               |
|          | 13:00 - 14:00 | EMCQ 5152 PHARMACEUTICAL TECH.  |                                 |                               |
|          | 14:00 - 15:00 | <b>Dr. Mue</b>                  |                                 |                               |
|          | 15:00 - 16:00 | EMCQ 5141 DESIGN PROJECT I      | EMCQ 4146 ENG. ECONOMICS        |                               |
|          | 16:00 - 17:00 | <b>Supervisors</b>              | <b>Prof. Marenya</b>            |                               |

| <b>EDCM/2025S</b><br><b>B.ENG (YR 2 SEM 1)</b>      | <b>EDCM/2026S</b><br><b>B.ENG (YEAR 1 SEM 1)</b>     | <b>EDCI/2023</b><br><b>B.TECH (Y4 SEM 1)</b>         | <b>EDCI/2024</b><br><b>B.TECH (YR 3 SEM 1)</b>       |
|-----------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| EMCQ 2142 APPLIED MECHANICS<br><b>Mr.Okwara</b>     | EMCQ 1101 ENG.MATHS 1A PART 1                        | EMCI 4145 OPERATIONS RESEARCH<br><b>Prof. Maende</b> | EMCI 3144 FLUID MECHANICS II<br><b>Dr.Maina</b>      |
| EMCQ 2146 WORKSHOP PRACTICE & TECH.I                | EMCQ 1101 ENG.MATHS 1A PART 2                        | EMCI 4161 BIOENERGY TECH.<br><b>Dr. Maina</b>        | EMCI 3121 ANALYTICAL CHEMISTRY                       |
| EMCQ 2101 ENG MATHEMATICS IIA                       | EMCQ 1121 GENERAL CHEMISTRY                          | EMCI 4146 PROCESS ECONOMICS<br><b>Dr. Onyango</b>    | EMCI 3141 CHEM.ENG THERMO.I<br><b>Dr.Akach</b>       |
| EMCQ 2121 ORGANIC CHEM.                             | EMCQ 1142 ENG.DRAWING A<br><b>Dr. Rhoda</b>          | EMCI 4142 IOM I<br><b>Prof. Maende</b>               | EMCI 3147 ICP IIA<br><b>Mr. Ngetuny</b>              |
| EMCQ 2101 ENG MATHEMATICS IIA                       | EMCQ 1141 INTRODUCTION TO ENG.<br><b>Dr. Gitonga</b> |                                                      | EMCI 3211 ENG.MATHEMATICS IIIB                       |
| EMCQ 2145 ELEC.ENG.PRINCIPLES                       | EMCQ 1131 COMPUTER SCIENCE                           | EMCI 4146 PROCESS ECONOMICS<br><b>Dr. Onyango</b>    | EMCI 3142 PROC. MEAS.& CONTROL<br><b>Mr. Ngetuny</b> |
| EMCQ 2131 COMPUTER PROGRAM.                         | EMCQ 1121 GENERAL CHEMISTRY                          | EMCI 4143 SAFETY & RISK ENG.<br><b>Dr.Musamali</b>   | EMCI 3148 PLANT LAYOUT DESIGN<br><b>Mr. Kittinya</b> |
| EMCQ 2145 ELEC.ENG.PRINCIPLES                       | EMCQ 1101 ENG.MATHS 1A PART 2                        | EMCI 4151 BIOCHEM. ENG<br><b>Mr.Kittinya</b>         | EMCI 3143 ENG. THERMO.II<br><b>Prof. Marenya</b>     |
| EMCQ 2143 INTRO.TO MAT. SCIENCE<br><b>Dr. Chira</b> |                                                      | EMCI 4145 OPERATIONS RESEARCH<br><b>Prof. Maende</b> |                                                      |
| EMCQ 2142 APPLIED MECHANICS<br><b>Mr.Okwara</b>     | UCCC 1102 CRITICAL & CREATIVE THINKING               | EMCI 4162 ENERGY MANAGEMENT<br><b>Eng. Bess</b>      | EMCI 3211 ENG.MATHEMATICS IIIB                       |
| EMCQ 2145 ELEC.ENG.PRINCIPLES                       | EMCQ 1141 INTRODUCTION TO ENG.<br><b>Dr. Gitonga</b> | EMCI 4151 BIOCHEM. ENG<br><b>Mr.Kittinya</b>         | EMCI 3145 MASS SEPARATION I<br><b>Eng. Bess</b>      |
| EMCQ 2131 COMPUTER PROGRAM.                         | EMCQ 1121 PHYSICS A                                  | EMCI 4143 SAFETY & RISK ENG.<br><b>Dr.Musamali</b>   |                                                      |
|                                                     | UCCC 1101 COMMUNICATION SKILLS                       | EMCI 4147 ENTERPREN. EDUCATION                       | EMCI 3148 PLANT LAYOUT DESIGN<br><b>Mr. Kittinya</b> |
| EMCQ 2146 WORKSHOP PRACTICE & TECH.I                | EMCQ 1101 ENG.MATHS 1A PART 1                        | EMCI 4144 QUALITY MANAGEMENT<br><b>Dr.Johra</b>      | EMCI 3141 CHEM.ENG THERMO.I<br><b>Dr.Akach</b>       |

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| EMCQ 2144 CHEM.MASS BALANCE<br><b>Eng. Bess</b>     | UCCC 1102 CRITICAL & CREATIVE THINKING      | EMCI 4161 BIOENERGY TECH.<br><b>Dr. Maina</b>    | EMCI 3143 ENG. THERMO.II<br><b>Prof. Marenya</b>     |
| EMCQ 2131 COMPUTER PROGRAM.                         | EMCQ 1121 PHYSICS A                         | EMCI 4144 QUALITY MANAGEMENT<br><b>Dr.Johra</b>  | EMCI 3144 FLUID MECHANICS II<br><b>Dr.Maina</b>      |
| EMCQ 2121 ORGANIC CHEM.                             |                                             | EMCI 3147 ICP IIA<br><b>Mr.Ng'etuny</b>          |                                                      |
| EMCQ 2142 APPLIED MECHANICS<br><b>Mr.Momanyi</b>    | UCCC 1101 COMMUNICATION SKILLS              | EMCI 4147 ENTERPREN. EDUCATION                   | EMCI 3146 ENG.MATERIALS<br><b>Dr. Chira</b>          |
| EMCQ 2141 CAD                                       | EMCQ 1123 BIOLOGICAL SCIENCE                | EMCI 4152 PHARMACEUTICAL TECH.<br><b>Dr. Mue</b> | EMCI 3142 PROC. MEAS.& CONTROL<br><b>Mr.Ng'etuny</b> |
| EMCQ 2144 CHEM.MASS BALANCE<br><b>Eng. Bess</b>     |                                             | EMCI 4141 DESIGN PROJECT I<br><b>Supervisors</b> |                                                      |
| EMCQ 2141 CAD                                       | EMCQ 1123 BIOLOGICAL SCIENCE                | EMCI 4162 ENERGY MANAGEMENT<br><b>Eng. Bess</b>  | EMCI 3121 ANALYTICAL CHEMISTRY                       |
|                                                     |                                             | EMCI 4141 DESIGN PROJECT I<br><b>Supervisors</b> | EMCI 3145 MASS SEPARATION I<br><b>Eng. Bess</b>      |
| EMCQ 2146 WORKSHOP PRACTICE & TECH.I                | EMCQ 1131 COMPUTER SCIENCE A                | EMCI 4152 PHARMACEUTICAL TECH.<br><b>Dr. Mue</b> | EMCI 3146 ENG.MATERIALS<br><b>Dr. Chira</b>          |
| EMCQ 2143 INTRO.TO MAT. SCIENCE<br><b>Dr. Chira</b> | EMCQ 1142 ENG.DRAWING A<br><b>Dr. Rhoda</b> | EMCI 4142 IOM I<br><b>Prof. Maende</b>           |                                                      |

| <b>EDCI/2025S</b><br><b>B.TECH (YR 2 SEM 1)</b>     | <b>EDCI/2026S</b><br><b>B.TECH (YEAR 1 SEMESTER 1)</b>  | <b>EDCE/2024</b><br><b>DIP.TECH ( YR 3 SEM 1)</b>      | <b>EDCE/2025S</b><br><b>DIP.TECH (YEAR 2 SEMESTER 1)</b> |
|-----------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|
| EMCI 2146 CHEM.MASS BALANCE<br><b>Eng. Bess</b>     | EMCI 1131 INTRODUCTION TO COMPUTING                     |                                                        |                                                          |
| EMCI 2142 CAD                                       | EMCI 1141 INTRODUCTION TO ENG.<br><b>Dr. Gitonga</b>    | EMCE 321 PROC.CTRL & INSTRUMENT.<br><b>Dr.Musamali</b> | EMCE 222 THERMOFLUIDS I<br><b>Dr. Onyango</b>            |
| EMCI 2147 ELEC.ENG.PRINCIPLES                       |                                                         | EMCE 322 THERMOFLUIDS III<br><b>Mr.Osio</b>            | EMCE 226 MASS & ENERGY BALANCE<br><b>Dr. Kagumba</b>     |
| EMCI 2141 PARTICLE TECHNOLOGY<br><b>Dr. Gitonga</b> | EMCI 1143 ENG.DRAWING A<br><b>Dr. Rhoda</b>             | EMCE 323 ICP II<br><b>Mr.Osio</b>                      |                                                          |
|                                                     | EMCI 1141 MEASUREMENT PRINCIPLES A<br><b>Dr.Onyango</b> |                                                        | EMCE 229 ENTERPRENEURSHIP PROJECT I                      |
| EMCI 2143 APPLIED MECHANICS<br><b>Mr.Okwara</b>     | EMCI 1131 INTRODUCTION TO COMPUTING                     |                                                        | EMCE 222 THERMOFLUIDS I<br><b>Dr. Onyango</b>            |
| EMCI 2121 ORGANIC CHEM.                             | EMCI 1111 ENG.MATHEMATICS IA                            | EMCE 324 UNIT OPERATIONS III<br><b>Mr.Osio</b>         |                                                          |
| EMCI 2111 ENG.MATHEMATICS II                        | EMCI 1141 INTRODUCTION TO ENG.<br><b>Dr. Gitonga</b>    |                                                        | EMCE 225 ELECTRIC. ENG.PRINCIPLES                        |
| EMCI 2142 CAD                                       | EMCI 1141 MEASUREMENT PRINCIPLES A<br><b>Dr.Onyango</b> | EMCE 325 IOM I<br><b>Ms.Wamaitha</b>                   | EMCE 220 ENG.MATHEMATICS III                             |
| EMCI 2147 ELEC.ENG.PRINCIPLES                       | EMCI 1143 ENG.DRAWING A<br><b>Dr. Rhoda</b>             | EMCE 320 ENG.MATHEMATICS V                             | EMCE 228 CAD&M                                           |
| UCCC 1102 CRITICAL & CREATIVE THINKING              |                                                         | EMCE 320 ENG.MATHEMATICS V                             | EMCE 223 ORGANIC CHEMISTRY                               |
| EMCI 2111 ENG.MATHEMATICS II                        | EMCI 1111 ENG.MATHEMATICS IA                            | EMCE 321 PROC.CTRL & INSTRUMENT.<br><b>Dr.Musamali</b> | EMCE 224 ENGINEERING DRAWING III                         |
| EMCI 2146 CHEM.MASS BALANCE<br><b>Eng. Bess</b>     | EMCI 1121 PHYSICS A                                     | EMCE 220 ENG.MATHEMATICS III                           |                                                          |
| UCCC 1101 COMMUNICATION SKILLS                      |                                                         |                                                        | EMCE 225 ELECTRIC. ENG.PRINCIPLES                        |
|                                                     | EMCI 1144 WORKSHOP PRACTICE & TECH.A                    | EMCE 322 THERMOFLUIDS III<br><b>Mr.Osio</b>            | EMCE 229 ENTERPRENEURSHIP PROJECT I                      |

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| EMCI 2143 APPLIED MECHANICS<br><b>Mr.Okwara</b>      | UCCC 1102 CRITICAL & CREATIVE THINKING |                                                |                                                 |
| EMCI 2144 ICP IA<br><b>Prof. Marenya</b>             | EMCI 1121 PHYSICS A                    | EMCE 323 ICP II<br><b>Mr.Osio</b>              | EMCE 223 ORGANIC CHEMISTRY                      |
|                                                      |                                        | EMCE 325 IOM I<br><b>Ms.Wamaitha</b>           | EMCE 227 UNIT OPERATIONS I<br><b>Mr.Osio</b>    |
| EMCI 2121 ORGANIC CHEM.                              | UCCC 1101 COMMUNICATION SKILLS         | EMCE 324 UNIT OPERATIONS III<br><b>Mr.Osio</b> | EMCE 124 WORKSHOP TECHNOLOGY                    |
| EMCI 2145 INTRO.TO MATERIAL SCI.<br><b>Dr. Chira</b> | EMCI 1122 GENERAL CHEMISTRY            |                                                | EMCE 228 CAD&M                                  |
| EMCI 2145 INTRO.TO MATERIAL SCI.<br><b>Dr. Chira</b> |                                        |                                                |                                                 |
| EMCI 2144 ICP IA<br><b>Prof. Marenya</b>             | EMCQ 1123 BIOLOGICAL SCIENCE           | EMCE 326 TRADE PROJECT I<br><b>Supervisors</b> | EMCE 221 APPLIED MECHANICS<br><b>Mr. Okwara</b> |
|                                                      | EMCI 1122 GENERAL CHEMISTRY            | EMCE 326 TRADE PROJECT I<br><b>Supervisors</b> | EMCE 221 APPLIED MECHANICS<br><b>Mr. Okwara</b> |
| EMCI 2141 PARTICLE TECHNOLOGY<br><b>Dr. Gitonga</b>  | EMCI 1144 WORKSHOP PRACTICE & TECH.A   | EMCE 326 TRADE PROJECT I<br><b>Supervisors</b> | EMCE 224 ENGINEERING DRAWING III                |
|                                                      | EMCQ 1123 BIOLOGICAL SCIENCE           | EMCE 326 TRADE PROJECT I<br><b>Supervisors</b> |                                                 |

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| <b>EDCE/2026S</b>                   |
| <b>DIP.TECH (YEAR 1 SEMESTER 1)</b> |
| EMCE 128 FUNDAMENTALS OF CHEM. ENG. |
| <b>Mr. Lepoo</b>                    |
| EMCE 126 MEASUREMENT PRINCIPLES I   |
| <b>Dr. Akach</b>                    |
| EMCE 125 INTRODUCTION TO COMPUTERS  |

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| EMCE 128 FUNDAMENTALS OF CHEM. ENG.  |
| <b>Mr. Lepoo</b>                     |
| EMCE 127 INTRODUCTION TO ENGINEERING |
| <b>Dr.Gitonga</b>                    |
| EMCE 123 ENGINEERING DRAWING I       |
| EMCE 129 COMMUNICATION SKILLS        |
| <b>ONLINE</b>                        |
|                                      |
| EMCE 122 PHYSICAL CHEMISTRY          |
| EMCE 123 ENGINEERING DRAWING I       |
| EMCI 121 PHYSICS I                   |

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| EMCE 129 COMMUNICATION SKILLS |
| <b>ONLINE</b>                 |

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| EMCE 122 PHYSICAL CHEMISTRY          |
|                                      |
| EMCE 127 INTRODUCTION TO ENGINEERING |
| EMCE 124 WORKSHOP TECHNOLOGY         |
| EMCE 120 ENG.MATHEMATICS 1           |
| EMCE 127 INTRODUCTION TO ENGINEERING |
| <b>Dr.Gitonga</b>                    |
| EMCE 120 ENG.MATHEMATICS 1           |
| EMCE 121 PHYSICS I                   |
| EMCE 129 COMMUNICATION SKILLS        |
| <b>ONLINE</b>                        |
| EMCE 126 MEASUREMENT PRINCIPLES I    |
| <b>Dr. Akach</b>                     |