

# Chemical Engineering Sinclair Community College

## First- and Second-Year Plan of Study

(Uses MU Course Numbers)

### First Year

| First Semester         | Second Semester |
|------------------------|-----------------|
| ENG111 (3)             | ENG112 (3)      |
| CHM141 (3)             | CHM142 (3)      |
| CHM144 (2)             | CHM145 (2)      |
| MTH151 (5)             | MTH251 (4)      |
| EAS101 (1)             | EAS102 (3)      |
| Miami Plan Science (3) |                 |

### Summer Semester

|            |
|------------|
| PHY181 (4) |
| PHY183 (1) |
| ECO201 (3) |

### Second Year

| First Semester | Second Semester                         |
|----------------|---|
| CHM241 (3)     | CHM242 (3)                              |
| CHM244 (2)     | ENG313 (3) or Miami Plan Foundation (3) |
| PCE219 (3)     | PCE204 (3)                              |
| MTH252 (4)     | PCE/MME313 (3)                          |
| PHY182 (4)     | PCE/MME314 (3)                          |
| PHY184 (1)     |   |

## Miami University/Sinclair Community College Course Equivalencies

| Miami University               |   |         | Sinclair Community College                |                              |         |
|--------------------------------|---|---------|---|------------------------------|---------|
| CHM 141/142/144/145            | College Chemistry & Lab                       | 3/3/2/2 | CHE 151/152/153                           | General Chemistry            | 5/5/5   |
| CHM241/242/244                 | Organic Chemistry & Lab                       | 3/3/2   | CHE 201/202/203                           | Organic Chemistry            | 5/5/5   |
| ECO 201                        | Principles of Microeconomics                  | 3       | ECO 218 OR ECO 201/202                    | Principles of Microeconomics | 4       |
| ENG 111/112                    | College Composition/ Composition & Literature | 3       | ENG 111/112/113                           | English Composition I/II/III | 3/3/3   |
| MTH 151/251/252                | Calculus I/II/III                             | 5/4/4   | MAT 201/202/203/204                       | Calculus I/II/III/IV         | 5/5/5/5 |
| MTH 245                        | Differential Equations for Engineers          | 3       | MAT 215                                   | Differential Equations       | 5       |
| PHY 181/182/183/184            | The Physical World & Lab                      | 4/4/1/1 | PHY 201/202/203                           | College Physics I/II/III     | 6/6/6   |
| Miami Plan Biological Science  | TBD   | 3-4     | Please see Miami Plan equivalencies chart | TBD                          | TBD     |
| Miami Plan Fine Arts           | TBD   | 3       | Please see Miami Plan equivalencies chart | TBD                          | TBD     |
| Miami Plan Humanities          | TBD   | 3       | Please see Miami Plan equivalencies chart | TBD                          | TBD     |
| Miami Plan Global Perspectives | TBD   | 9       | Please see Miami Plan equivalencies chart | TBD                          | TBD     |
| EAS 101                        | Computing, Engineering & Society              | 1       | No known equivalent                       | N/A                          | N/A     |
| EAS 102                        | Problem Solving & Design                      | 3       | No known equivalent                       | N/A                          | N/A     |
| ENG 313                        | Introduction to Technical                     | 3       | No known equivalent                       | N/A                          | N/A     |

|             | Writing                          |   |                     |     |     |
|-------------|----------------------------------|---|---------------------|-----|-----|
| PCE 204     | Materials & Energy Balance       | 3 | No known equivalent | N/A | N/A |
| PCE 219     | Statics & Mechanics of Materials | 3 | No known equivalent | N/A | N/A |
| PCE/MME 313 | Fluid Mechanics                  | 3 | No known equivalent | N/A | N/A |
| PCE/MME 314 | Engineering Thermodynamics I     | 3 | No known equivalent | N/A | N/A |