

Transfer Program-to-Program Articulation



Harrisburg Area Community Engineering (#4120) Drexel University Mechanical Engineering

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|---|----------------------|---------------|---|----------------------|-----|--|
| REQUIREMENT | COURSE | CRS | REQUIREMENT | COURSE | CRS | |
| Year 1 Fall | | | Year 1 Fall | | | |
| Computer-Aided Drafting | CAD 154 | 3 | Transfer General | | | |
| And Design | | | Free Elective | TGFE 099 | 3 | |
| General Inorganic Chemistry | CHEM 101 | 4 | General Chemistry I | | 3.5 | |
| English Composition I | ENGL 101 | 3 | Composition and Rhetoric I | ENGL 101 | 3 | |
| Engineering & Engineering Technology Orientation | ENGR 102 | 2 | Introduction to Engineering Design & Data Analysis | ENGR 111 | 3 | |
| Calculus I | MATH 121 | 4 | Calculus I | MATH 121 | 4 | |
| Calculus 1 | Credits | • | Calculus 1 | Credits 1 | • | |
| | Credits | 10 | | Cicuits 1 | 0.5 | |
| Year 1 Spring | | | Year 1 Spring | | | |
| Effective Speaking | COMM 101 | 3 | Techniques of Speaking | COM 230 | 3 | |
| Technical Writing | ENGL 104 | 3 | Technical Communication | COM 310 | 3 | |
| Calculus II | MATH 122 | 4 | Calculus II and | MATH 122 & | | |
| | | | Calculus III | MATH 123 | 8 | |
| General Inorganic/ | | _ | General Chemistry II | CHEM 102 | 4.5 | |
| Qualitative Analysis | CHEM 102 | 4 | 0 15151 | E. E.OTT. /E | _ | |
| Social Science Elective | ELECTIVE | 3 | General Ed Elective | ELECTIVE | 3 | |
| Year 2 Fall | Credits | 1/ | Year 2 Fall | Credits 2 | 1.5 | |
| Statics | ENGR 213 | 3 | Statics | MEM 202 | 3 | |
| Calculus III | MATH 221 | 4 | Multivariate Calculus | MATH 200 | 4 | |
| Physics for Engineers and | MATTI ZZI | 7 | Fundamentals of Physics I | PHYS 101 | 4 | |
| Scientists I | PHYS 211 | 4 | Tandamentals of Thysics 1 | 11115 101 | • | |
| Differential Equations | MATH 222 | 4 | Differential Equations | MATH 210 | 4 | |
| Wellness | WELLNESS | 1 | No Credit for Wellness | | 0 | |
| | Credits | 16 | | Credits | 15 | |
| Year 2 Spring | | | Year 2 Spring | | | |
| Dynamics | ENGR 214 | 3 | Dynamics | MEM 238 | 4 | |
| Humanities/Arts Elective | ELECTIVE | 3 | General Ed Elective | ELECTIVE | 3 | |
| Physics for Engineers & | | _ | Fundamentals of Physics | | _ | |
| Scientists II | PHYS 212 | 4 | II and III | PHYS 102 & 201 | 8 | |
| Linear Algebra | MATH 220 | 4 | Linear Algebra | MATH 201 | 4 | |
| | Credits | 14 | | Credits | 19 | |
| | Total Credits | 63 | | Total Credits | 72 | |

To receive transfer credit, the courses must be substantially equivalent to courses offered in the desired curriculum at Drexel and you must have completed the courses with a grade of C (C=2.0) or better. The transfer courses listed should be used as a general guide and might not be acceptable for every major at the University. We make every effort to keep this guide current but cannot guarantee that every course will be acceptable for transfer. The number of credits you can transfer will be determined by the academic department once you've been accepted

Transfer Electives:

| HACC Chem 102 | 4 Cr | Chem 102 | 4.5 Cr | HACC Math 220 | 4 Cr | Math 201 | 4 Cr |
|---------------|------|----------|--------|---------------|------|----------|------|
| HACC Bio 101 | 4 CR | Bio 141 | 4.5 Cr | HACC Bio 221 | 4 Cr | Bio 220 | 3 Cr |
| HACC Bio 206 | 4 Cr | ENVS 230 | 3 Cr | HACC Chem 203 | 4 Cr | Chem 241 | 4 Cr |
| HACC Chem 204 | 4 Cr | Chem 242 | 4 Cr | HACC Math 222 | 4 Cr | Math 210 | 4 Cr |



Harrisburg Area Comm. College Program Study: Engineering (#4120)

Drexel University Program Study: Mechanical Engineering



| Fundamentals of Materials Fundamentals of Materials Fundamentals of Materials Fundamentals Fundamentals | REQUIREMENT | COURSE | CRS | REQUIREMENT | COURSE | CRS |
|--|---------------------------|-----------|------|---------------------------|----------------|-------|
| First-Year Engineering Design | Year 3 Fall | | | Year 4 Spring/Summer | | |
| The Drexel Experience Career Management and Professional Development COOP 101 1 Composition and Rhetoric II: | Fundamentals of Materials | ENGR 220 | | COOP Experience | | |
| Senior Design Project I | | | | | | |
| Professional Development COOP 101 1 | • | UNIV E101 | 1 | | | |
| Advanced Research and Evidence Based Writing Engl. 102 3 | | COOP 101 | 1 | | MEM 491 | 3 |
| Engineering Economic Analysis Credits 15 Credits 15 Credits 15 Credits 15 Credits 15 Credits 15 Introduction to Crivic Engagement Course OR Thermodynamics Foundations of Computer Alded Design and MEM 333 3 Experimental Mechanics I Composition and Rhetoric III: Themes and Genres Year 3 Spring/Summer COOP Experience Year 4 Fall Thermodynamic Analysis I Performance Enhancement of Dynamic Systems Introduction to Computer Alded Design and MEM 335 4 MEM 355 4 Refablance Flexive MEM 355 4 MEM 355 4 Refablance Flexive MEM 355 8 Refablance Flexive MEM 445 4 Refablance Flexive MEM 355 8 Refablance Flexive | | | | | | |
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