# Academic Year: 2019-2020

## FIRST YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
</tr>
</thead>
</table>
| CCE 101 | Civil and Construction Engineering Orientation  
F (2) | Co-Req: MTH 112 or higher |
| CH 201 | Chemistry  
F, W (3) | MTH 111 |
| MTH 251 | Differential Calculus  
F, W, S (4) | MTH 251 |
| WR 121 | English Composition  
F, W, S (3) | MTH 252 |
| PAC | Physical Activity Course  
F, W, S (1) | MTH 254 |
| Perspective- | Cultural Diversity  
F, W, S | ** | **
| MTH 111 | or higher |
| PHL 205** | Perspective: Western Culture  
F, W, S, U (4) | MTH 251 & PH 211 |
| PH 211 | General Physics w/Calc  
F, W, S, U (4) | MTH 252 |
| COMM 111 | or 114  
F, W, S (2) |
| Perspective- | Cultural Diversity  
F, W, S |
| HHS 231 | Lifetime Fitness & Health  
F, W, S (2) |
| MTH 252 | Integral Calculus  
F, W, S, U (4) |
| MTH 254 | Vector Calculus I  
F, W, S, U (4) |
| ** | ** |

## SECOND YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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</thead>
</table>
| CCE 102 | CCE Seminar  
F (1) | CCE 201 | Graphics & Design  
F, W, (3) | CCE 203 | Virtual Des/ Construction  
W, S (3) |
| PH 212 | General Physics w/Calc  
F, W, S, U (4) | ST 314 | Statistics for Engineers  
F, W, S (3) |
| PH 211 | General Physics w/Calc  
F, W, S, U (4) | CCE 201 | Graphics & Design  
F, W, (3) | CCE 203 | Virtual Des/ Construction  
W, S (3) |
| MTH 256 | Applied Differential Eq.  
F, W, S (4) | MTH 252 | MTH 254 |
| ENGR 211 | Statics  
F, W, S, U (3) | WR 121 | Technical Writing  
F, W, S (3) |
| ENGR 213 | Strengths of Materials  
F, W, S (3) | ENGR 211 & PH 211 |
| ENGR 212 | Dynamics  
F, W, S, (3) | WR 327 |
| ENGR 211 | Statics  
F, W, S, U (3) | ENGR 211 & PH 211 |
| ENGR 213 | Strengths of Materials  
F, W, S (3) | ENGR 212 | Dynamics  
F, W, S, (3) |
| HHS 231 | Lifetime Fitness & Health  
F, W, S (2) |
| MTH 264 (2) | +265 (2)  
F, W, S, U (4) | CCE 203 | Virtual Des/ Construction  
W, S (3) |
| ** | ** |
| ECON 201* | Intro to Microeconomics  
F, W, S, U (4) | ECON 201* |
| ** | ** |

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* Satisfies Perspective – Cultural Diversity

( ) The number within the parentheses represent the credits of the course.

** Satisfies Perspective – Western Culture

* Satisfies Perspective – Social Processes and Institutions

F, W, S, U Represents the term the course is offered (Fall, Winter and Spring, Summer term respectively).

Rev. 06/2019
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 321</td>
<td>Civil &amp; Construction Engineering Materials</td>
<td>F, S, U</td>
<td>Fall, Winter, Spring</td>
</tr>
<tr>
<td>CEM 471</td>
<td>Electrical Facilities</td>
<td>F (4)</td>
<td>Fall</td>
</tr>
<tr>
<td>CEM 472</td>
<td>Mechanical Facilities</td>
<td>W (3)</td>
<td>Winter</td>
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<tr>
<td>CEM 311</td>
<td>Hydraulics</td>
<td>W, S (4)</td>
<td>Winter, Spring</td>
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<tr>
<td>Synthesis</td>
<td>Contemporary Global Issues</td>
<td>F, W, S</td>
<td>(3)</td>
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<tr>
<td>ARE 352</td>
<td>Elec/Lighting Design</td>
<td>W (4)</td>
<td>Spring</td>
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<td>ARE 353</td>
<td>HVAC Design</td>
<td>S (4)</td>
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<tr>
<td>CEM 341</td>
<td>Construction Estimating I</td>
<td>F, W (4)</td>
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<tr>
<td>ARE 351</td>
<td>Advanced Construction</td>
<td>F (4)</td>
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<td>CCE 422</td>
<td>Green Building Materials</td>
<td>W (3)</td>
<td>Winter</td>
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<tr>
<td>CE 383</td>
<td>Design of Steel Structures</td>
<td>F, W (4)</td>
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<td>CE 420</td>
<td>Engineering Planning</td>
<td>F, W (4)</td>
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<td>CE 484</td>
<td>Wood Design</td>
<td>W (4)</td>
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<td>ARE 418</td>
<td>Prof. Practice – Capstone I</td>
<td>(4)</td>
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<tr>
<td>ARE 419</td>
<td>Design – Capstone II</td>
<td>(4)</td>
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<tr>
<td>Synthesis</td>
<td>Science, Technology, &amp; Society</td>
<td>F, W, S</td>
<td>(3)</td>
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</tbody>
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NOTES:
1. Credits to graduate = 180.