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| **BS Environmental Science Four Year Academic Pathway** | | | | | | | |  |
| **Year 1** | **Fall** | | | **Spring** | | | |  |
| **Benchmark Requirements**  **GES 110 and 120;**  **MATH 150**  **CHEM 101**  **BIOL 141**  **CHEM 102 and 102 L**  **University Requirements** ENGL 100 (or equivalent) and a credit-bearing math course to be completed within the first year of academic study. |  | Credits | Grade |  | Credits | Grade | |
| GES 110 (S) | 3 |  | GES 120 | 3 |  | |
| MATH 150 (M) | 4 |  | BIOL 141 | 4 |  | |
| CHEM 101 (S) | 4 |  | CHEM 102 | 3 |  | |
| POLI 100 S) | 3 |  | CHEM 102 L | 2 |  | |
| AH GEP | 3 |  | English 100 | 3 |  | |
|  |  |  |  |  |  | |
| *Total* | 17 |  | *Total* | 15 |  | |
| **Year 2** | **Fall** | | | **Spring** | | | |
| **Benchmark Requirements**  **GES 220**  **GES 308**  **MATH 151**  **PHYS 111 or 121**  **STAT 350, 351, 355** |  | Credits | Grade |  | Credits | | Grade |
| GES 308 | 3 |  | STAT 350, 351, or 355 | 4 | |  |
| MATH 151 | 4 |  | PHYS 111 or 121 | 4 | |  |
| GES 220 (S w/Lab) | 4 |  | GES 300 Physical Elective | 3 | |  |
| LANG 101 | 4 |  | LANG 102 | 4 | |  |
| PE | (1.5) |  | PE | (1.5) | |  |
|  |  |  |  |  | |  |
| *Total* | 15 |  | *Total* | 15 | |  |
| **Year 3** | **Fall** | | | **Spring** | | | |
| **Benchmark Requirements**  **GES 319 (WI)**  **Major Requirements**  **(4) GES 300 Level Physical Electives** |  | Credits | Grade |  | Credits | | Grade |
| ANTH 211 (C) | 3 |  | GES 300 Physical Elective | 3 | |  |
| GES 319 (WI) | 3 |  | GES 300 Physical Elective | 3 | |  |
| GES 300 Physical Elective | 3 |  | GES 300 Physical Elective | 3 | |  |
| AH GEP | 3 |  | SS GEP | 3 | |  |
| LANG 201 | 4 |  | AH GEP | 3 | |  |
|  |  |  |  |  | |  |
| *Total* | 16 |  | *Total* | 15 | |  |  |
| **Year 4** | **Fall** | | | **Spring** | | | |
| **Major Requirements**  **(1) GES 400 Level Field/Lab courses**  **(1) GES 400 Level Physical Science Elective**  **(1) GES 300 Physical Science Elective**  **(2) GES 300 Level Electives** |  | Credits | Grade |  | Credits | | Grade |
| GES 400 Field Course | 3 |  | GES 300 Elective | 3 | |  |
| GES 400 Physical Elective | 3 |  | 300 Level Any Elective | 3 | |  |
| GES 300 Physical Elective | 3 |  | GES 300 Elective | 3 | |  |
| SS GEP | 3 |  | 300 Level Any Elective | 3 | |  |
| Any Elective\* | 3 |  |  |  | |  |
|  |  |  |  |  | |  |
| *Total* | 15 |  | *Total* | 12 | |  |
|  | **\*Any Elective= in any department at any level Total =120** | | | | | | |

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| **University Requirements** | | | | **Major Requirements** | | | | | | |
| **GEP / GFR (pre Summer 2007 higher ed start)** | | | |
| **Requirements:** | **Course** | **Credits** | **Grade** | **Benchmark Requirements** | | | **Year** | | **Credits** | **Grade** |
| Arts & Humanities (AH) *- see Note below* |  |  |  | GES 110 (S) | | | 1 | | 3 |  |
| Arts & Humanities (AH) |  |  |  | GES 120 | | | 1 | | 3 |  |
| Arts & Humanities (AH) |  |  |  | MATH 150 (M) | | | 1 | | 4 |  |
| Social Sciences (SS) *- see Note below* |  |  |  | BIOL 141 (S) | | | 1 | | 4 |  |
| Social Sciences (SS) |  |  |  | CHEM 101 (S) | | | 1 | | 4 |  |
| Social Sciences (SS) |  |  |  | CHEM 102 | | | 1 | | 3 |  |
| Sciences (S) - with lab |  |  |  | CHEM 102 L | | | 1 | | 2 |  |
| Lab |  |  |  | GES 308 | GES 220 S w/lab | | 2 |  | 2/4 |  |
| Sciences (S) - with or without lab |  |  |  | MATH 151 | | | 2 | | 4 |  |
| Math (M) [GFR = (MS)] |  |  |  | STAT 350, 351, 355 | | | 2 | | 4 |  |
| Language (L) - through 201 level | \_ 201 |  |  | 300 GES Core Physical Elective | | | 2 | | 3 |  |
| Global Culture (C) [GFR may replace w/ 2nd lang] |  |  |  | GES 319 (WI) Core Elective | | | 3 | | 3 |  |
| Global Culture (C) - GEP BA only |  |  |  | GES 300 Core Physical Elective | | | 3 | | 3 |  |
| Writing Intensive (WI) |  |  |  | GES 300 Core Physical Elective | | | 3 | | 3 |  |
| Physical Ed (PE) - Institutional credit only |  | 1.5 |  | GES 400 Core Physical Elective | | | 3 | | 3 |  |
| Physical Ed (PE) - Institutional credit only |  | 1.5 |  | GES 400 Field Course | | | 4 | | 4 |  |
| *Note: AH & SS from at least 2 disciplines for GEP/ AH & SS from at most 2 disciplines for GFR* | | | | GES 300 Core Physical Elective 4 3 | | | | | | |
| **Additional UMBC Graduation Requirements:** | | | | **Other Requirements:** | | **Course** | | | **Credits** | **Grade** |
| At least 120 academic credits | | | |  | |  | | |  |  |
| At least 30 credits earned at UMBC | | | |  | |  | | |  |  |
| At least 45 upper level credits (300 and 400 level) | | | |  | |  | | |  |  |
| At least 2.0 GPA | | | |  | |  | | |  |  |
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| **Other Requirements:** | **Course** | **Credits** | **Grade** |  | |  | | |  |  |
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| For More Information Contact the GES Main Office 410-455-2002 or go to our webpage www.umbc.edu |  |  |  |  | |  | | |  |  |
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