

## SECTION IV: DEPARTMENT OF WILDLIFE, FISHERIES AND AQUACULTURE

| <b>CLE</b>            |   | <b>2023–2024 WILDLIFE, FISHERIES AND AQUACULTURE MAJOR</b><br>Conservation Law Enforcement Concentration (Sample Schedule)<br>Total Hours = 124 |  | <i>effective Fall 2023</i> |
|-----------------------|---|---|--|----------------------------|
| <b>FRESHMAN YEAR</b>  |   |   |  |                            |
| Fall Semester         |   | Spring Semester   |  |                            |
| BIO 1134              | Biology I   | BIO 1144  | Biology II (C or better in BIO 1134)   |                            |
| CH 1043/1213          | Survey of Chemistry I or Chemistry I (C in MA 1313 or ACT math subscore 24)         | CH 1053/1223  | Survey of Chemistry II (CH 1043) or Chemistry II (CH 1213)   |                            |
| EN 1103               | English Comp. I (ACT subscore 17)   | EN 1113   | English Composition II (EN 1103)   |                            |
| SO 1003               | Intro. to Sociology   |   | Oral Communication Elective (3)  |                            |
| <b>WFA 1102</b>       | <b>Wildlife and Fisheries Profession</b> (FR, SO, or instructor consent) (FL)       | PSY 1013  | General Psychology   |                            |
| <b>SOPHOMORE YEAR</b> |   |   |  |                            |
| Fall Semester         |   | Spring Semester   |  |                            |
| <b>WFA 4243</b>       | <b>Wildlife Techniques (SO)</b>   | <b>WFA 3133</b>   | <b>Applied Ecology (BIO 1134 &amp; 1144)</b>   |                            |
| CRM 1003              | Crime and Justice in America  | PHI 1123  | Intro to Ethics (3)  |                            |
| MA 1313/1613          | College Algebra or Calculus for Business and Life Sciences                          | CRM 3313  | Deviant Behavior (same as SO 3313)   |                            |
|                       | Plant Elective (3)  |   | CLE Elective (3)   |                            |
|                       | Fine Arts Elective (3)  |   | Humanities Elective (3)  |                            |
| <b>JUNIOR YEAR</b>    |   |   |  |                            |
| Fall Semester         |   | Spring Semester   |  |                            |
| <b>WFA 4153</b>       | <b>Principles of Wildlife Conservation and Management (SO)(WFA 3133 or FO 4123)</b> | BIO 3524  | Biology of Vertebrates (SP)  |                            |
|                       | CLE Elective (3)  |   | Statistics Elective (3)  |                            |
|                       | Writing Elective (3)  |   | Natural Resources Management Elective (3)  |                            |
|                       | Aquatics Elective (3)   |   | Natural Resources Management Elective (4)  |                            |
|                       | Computer Application Elective (3)   |   | CLE Elective (3)   |                            |
| <b>SENIOR YEAR</b>    |   |   |  |                            |
| Fall Semester         |   | Spring Semester   |  |                            |
| <b>WFA 4223</b>       | <b>Wildlife Plant ID</b> (BIO 1134 & BIO 1144 & WFA 3133) (FL)                      | <b>WFA 4473</b>   | <b>Wildlife &amp; Fisheries Practices (SR)(WFA 3133 &amp; WFA 4153)</b> (Should be taken in last semester) |                            |
| <b>WFA 4353</b>       | <b>Fish and Wild. Policy &amp; Law (SR)(FL)</b>                                     |   | Natural Resources Policy Elective (3)  |                            |
|                       | Natural Resources Management Elective (3)   |   | CLE Elective (3)   |                            |
|                       | Natural Resources Management Elective (4)   |   | CLE Elective (3)   |                            |
|                       | CLE Elective (3)  |   | Natural Resources Management Elective (3)  |                            |

Classes in **BOLD** require a C or better. FL= offered only in fall semester; SP= offered only in spring semester  
 SO=Sophomore standing, JR=Junior standing, SR=Senior standing

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| FINE ARTS ELECTIVES<br>(MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)         |  | HUMANITIES ELECTIVES<br>(MUST SATISFY MSU GENERAL EDUCATION) (6 HOURS) |   |
|---|--|--|---|
| ARC 1013  | Architectural Appreciation                                       | AAS 1063   | Intro to African American Studies                                   |
| ART 1013  | History of Art I   | ARC 2313   | History of Architecture I   |
| ART 1023  | History of Art II  | ARC 3313   | History of Architecture II (ARC 2313)                               |
| ART 1113  | Art Appreciation   | EN/FL 2123   | Green and Latins Roots of English                                   |
| ART 2063  | Global Contemporary Art  | EN 2203  | Intro to Lit (EN 1103, EN 1113)                                     |
| ART 2413  | His & Appr of the Artcrafts                                      | EN 2213  | English Lit Before 1800 (EN 1103, EN 1113)                          |
| CO 1503   | Intro to the Theatre   | EN 2223  | English Lit After 1800 (EN 1103, EN 1113)                           |
| HON 3173  | Honors Seminar in Fine Arts (SOPH standing)                      | EN 2243  | American Lit Before 1865 (EN 1103, EN 1113)                         |
| ID 3643   | History of Interiors I   |  |   |
| LA 1803   | Landscape Architecture Appreciation                              | EN2253   | American Lit After 1865 (EN 1103, EN 1113)                          |
| MU 1103   | African American Music   | EN 2273  | World Lit Before 1600 (EN 1103, EN 1113)                            |
| MU 1113   | His & Appr of Music  | EN 2283  | World Lit After 1600(EN 1103, EN 1113)                              |
| MU 1123   | American Music App   | FL 1113-2143   | Foreign Language  |
| MU 1133   | History of Rock and Roll   | HI 1063  | Early US History  |
| PE 1323   | His & Appr of Dance  | HI 1073  | Modern US History   |
| PSS 2343  | Floral Design  | HI 1163  | World History Before 1500   |
| <b>STATISTICS ELECTIVES</b><br>(MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS) |  | HI 1173  | World History After 1500  |
|   |  | HI 1213  | Early Western World   |
|   |  | HI 1223  | Modern Western World  |
| ST 2113   | Intro to Stats (ACT Math subscore 24 or C in MA 1313 or MA 1213) | HI 1313  | East Asian Civ to 1300  |
| ST 3123   | Intro to Stat. Inf. (ACT Math subscore 24 or C in MA 1313)       | REL 1103   | Intro to Religion   |
|   |  | REL 3213   | World Religions I   |
| <b>ORAL COMMUNICATION ELECTIVES</b>   |  | REL 3223   | World Religions II  |
| AELC 3333   | Presentations in Ag & Life Sci (AELC 3203)                       | <b>NATURAL RESOURCE POLICY ELECTIVES</b>                               |   |
| CO 1003   | Fund of Public Speaking  | FO 4343  | Forest Admin & Org (JR)   |
| CO 1013   | Intro to Communication   | FO 4353  | Natural Resource Law (JR)   |
| <b>WRITING ELECTIVES</b>  |  | FO 4413  | Natural Resource Policy (SR)  |
| AELC 3203   | Prof Writing ANR Hum Sci (JR) (EN 1103, EN 1113)                 | PS 4743  | Environmental Policy (PS 1113, PS 2703)                             |
| CO 3343   | Writing for the Media (C in EN 1113)                             | WFA 4363   | W&F Admin and Comm (JR)   |
| EDF 3413  | Writing for Thinking (EN 1103, EN 1113)                          | WFA 4463   | Human Dim of F&W Mgt (JR)   |
| EN 3313   | Writing for the Workplace (EN 1113)                              | <b>COMPUTER APPLICATION ELECTIVES</b>                                  |   |
| MGT 3213  | Organizational Communication (EN 1113)                           | AEC 1223   | Computer Applications for Ag & Life Sciences                        |
| <b>PLANT ELECTIVES</b>  |  | CSE 1013   | CSE AP Credit   |
| BIO 2113  | Plant Biology (BIO 1134)   | FO 3103  | Computer Applications in Forest Resources                           |
| BIO 2213  | Survey of Plant Kingdom  | GR 2313  | Maps & Remote Sensing   |
| BIO 4203  | Taxonomy of Spermatophytes (BIO 2113, BIO 2213)                  | GR 3303  | Survey of Geospatial Tech (GR 2313)                                 |
|   |  | TECH 1273  | Computer Applications   |
| BIO 4213  | Plant Ecology  | TKB 2123   | Intro to Database Mgt (TKT 1273 or BIS 1012)                        |
| FO 2113   | Dendrology (BIO 1144 or BIO 2113)                                | WFA 4123   | Wildlife and Fisheries Biometrics (ST 3123, C or better in MA 1613) |
| PSS 3133  | Intro Weed Science (BIO 2113; CH 1213 or CH 1053)                | WFA 4253   | App of GIS in WF (SR)   |

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| NATURAL RESOURCES MANAGEMENT ELECTIVES |  | CLE ELECTIVES |   |
|--|--|---------------|---|
| AEC 2713                               | Intro to Food & Resource Economics or EC 2113 Prin of Macroeconomics (SO) or EC 2123 Prin of Microeconomics (SO) | ACC 2013      | Prin of Financial Accounting                              |
|  |  | AN 3163       | Maritime & Fishing Peoples                                |
|  |  | AS 2523       | Military Leadership                                       |
| BIO 2503                               | Environmental Quality (1 BIO course)   | BCH 2013      | Intro to Forensic Science (BIO 1134, BIO 1144)            |
| BIO 4143                               | Population Genetic (BIO 1134, BIO 1144)  | BL 2413       | Legal Environment of Business                             |
| CH 1051                                | Exp Chemistry  | CO 3803       | Prin of Public Relations                                  |
| EPP 4154                               | General Entomology   | CRM 2003      | Crime, Justice and Inequality (CRM 1003, SO 1003)         |
| EPP 4244                               | Aquatic Entomology (EPP 4154)  |               |   |
| FO 3113                                | Forest Recreation Management   | CRM/SO 3103   | Contemp Issues CJ (CRM 1003, SO 1003)                     |
| FO 3203                                | Forest Fire  | CRM/SO 3113   | Comm Crime Prev & Policy (CRM 1003, SO 1003)              |
| FO 4453                                | Remote Sensing App   |               |   |
| GR 2313                                | Maps and Remote Sensing  | CRM/SO 3123   | Policing in Society (CRM 1003, SO 1003)                   |
| GR 3113                                | Conservation of Natural Resources  | CRM/SO 3343   | Gender, Crime and Justice (CRM 1003, SO 1003)             |
| GR 3303                                | Survey of Geospatial Technologies (GR 2313)  |               |   |
| GR 4303                                | Principles of GIS  | CRM/SO 3503   | Violence in the U.S. (CRM 1003, SO 1003)                  |
| GR 4313                                | Advanced GIS (GR 4303)   | CRM/SO 3353   | Race Crime and Justice (CRM 1003, SO 1003)                |
| GR 4333                                | Remote Sensing Phys Env (GR 3303)  | CRM/SO 3363   | Globalization and Crime (CRM 1003, SO 1003)               |
| PSS 3303                               | Soils (CH 1043)  |               |   |
| PSS 3301                               | Soils Lab (co-req: PSS 3303)   | CRM/SO 3603   | Criminological Theory (CRM 1003, SO 1003)                 |
| PSS 4333                               | Soil Cons & Land Use (PSS 3303)  | CRM/SO 4233   | Juvenile Delinquency (CRM 1003, SO 1003)                  |
| Any Upper-Level WFA Course             |  | CRM/SO 4523   | Law and Society (CRM 1003, SO 1003)                       |
| <b>AQUATICS ELECTIVES</b>              |  | EPP 4313      | Forensic Entomology                                       |
| BIO 4224                               | Aquatic Biology (BIO 2713, WFA 3133)   | FL 1113-2143  | Foreign Language I-IV                                     |
| CVM 4134                               | Aquatic Animal Health (any microbiology, any physiology)   | FO 4353       | Natural Resources Law (JR)                                |
|  |  | GR 4203       | Geography of N. America                                   |
| GG 3613                                | Water Resources  | GR 4263       | Geography of the South                                    |
| GG 4523                                | Coast Environments   | MS 2523       | Military Leadership                                       |
| WFA 4133                               | Fisheries Science (ST 3123)  | PS 2703       | Intro to Public Policy (PS 1113)                          |
| WFA 4173                               | Fish Physiology (BIO 1134, BIO 1144)   | PS 4743       | Environmental Policy (PS 1113, PS 2703)                   |
| WFA 4183                               | Prin & Prac of Aquaculture (BIO 1134, BIO 1144)  | PSY 3623      | Social Psychology (PSY 1013)                              |
|  |  | PSY 4353      | Psychology and the Law (JR)(PSY 1013)                     |
| WFA 4233                               | Limnology (WFA 3133)   | PSY 4373      | Forensic Psychology (JR)(PSY 1013)                        |
| WFA 4313                               | Fisheries Mgt (WFA 3133)   | SO 2203       | Cultural and Racial Minorities (SO 1003)                  |
| WFA 4383                               | Wetlands Ecology (JR)(WFA 3133)  | SO 3003       | Social Inequality (SO 1003)                               |
| WFA 4453                               | Ichthyology (WFA 3133)   | SO 3213       | Introduction to Social Research (9 hours SO/ CRM courses) |
|  |  | SO 4173       | Environment and Society (AN 1103 or SO 1003)              |

#### APPROVED SUBSTITUTIONS LIST FOR CONSERVATION LAW ENFORCEMENT CONCENTRATION

| Required Courses               | Approved Substitution   |
|--------------------------------|---|
| MA 1613 Calc. Bus/Life Science | MA 1713 Calculus I  |
| EN 1103 English Comp I         | C or better in EN 1104 Expanded English Comp I (ACT English Sub-score of 16 or below) |
| EN 1113 English Comp II        | EN 1173 Accelerated Comp II   |