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| **Part I: Clarendon College Mission and Strategic Plan** |
| **Component Area:** Life & Physical Sciences (6 hours) | **Year:** 2014-2015 |
| **Clarendon College Mission Statement:** Clarendon College is a comprehensive community college committed to teaching and learning and to providing equal access to opportunities that assist in the holistic development of its constituents and community. In pursuit of that mission, the College provides academic transfer programs, workforce education programs, student services, developmental education courses, continuing education / community service courses, and diverse cultural enrichment opportunities for our constituents. |
| **Mission Components:** Clarendon College’s Mission Statement includes the following provisions:1. Provision for Student Access
2. Provision for Student Progression and Completion
3. Provision for Quality Educational Programs
4. Provision for Student Services for Holistic Development
5. Provision for Developmental Education
6. Provision for Continuing Education / Community Services Courses
7. Provision for Cultural Enrichment
 |
| **College Purposes:** The purposes of Clarendon College shall be to provide the following:1. technical programs up to two years in length leading to associate degrees or certificates;
2. occupational programs leading directly to employment in semi-skilled and skilled occupations;
3. freshman and sophomore courses in arts and sciences;
4. continuing adult education programs for occupational or cultural upgrading;
5. compensatory education programs designed to fulfill the commitment of an admissions policy allowing the enrollment of disadvantaged students;
6. a continuing program of counseling and guidance designed to assist students in achieving their individual educational goals;
7. workforce development programs designed to meet local and statewide needs;
8. adult literacy programs and other basic skills programs; and,
9. such other purposes as may be prescribe by the Texas Higher Education Coordinating Board or local governing boards, in the best interest of post-secondary education in Texas
 |
| **Institutional Plan:** 2014-2017 Institutional Plan *One College…One Vision* initiatives:1. Prepare Clarendon College for SACS Re-Affirmation
2. Redesign Student Services
3. Increase student success
4. Strengthen College Cohesion and Presence in the Community
5. Identify programs for expansion
6. Design and implement effective models of instruction
7. Create a district wide master plan
 |
| **Purpose of the Core Curriculum:** The Core Curriculum provides students with a foundation of knowledge of human cultures and the physical and natural world, develops principles of personal and social responsibility for living in a diverse world, and advances intellectual and practical skills that are essential for all learning. |
| **Texas Core Curriculum Objectives:** The Texas Higher Education Coordinating Board has established 9 component areas that include 3-4 of the following 6 core objectives:1. Critical Thinking Skills
2. Communication Skills
3. Empirical and Quantitative Skills
4. Teamwork Skills
5. Social Responsibility
6. Personal Responsibility
 |
| **Relationship to Mission:** Provisions 1-3  | **Relationship to College Purpose:** Purposes 3 & 9 | **Relationship to Institutional Plan:** Initiatives 3 & 6 |

**Life & Physical Sciences (6 Hours)**

**Agriculture:**

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| **Core Objective** | **Course** | **Student Learning Outcomes** | **Assessment Criteria** | **Student Results** | **Use of Results** |
| 1. Critical Thinking Skills to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. | AGRI 1315 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 2. Communication Skills to include effective written, oral, and visual communication. | AGRI 1315 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 3. Empirical and Quantitative skills to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. | AGRI 1315 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 4. Teamwork skills to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. | AGRI 1315 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |

**Biology:**

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| **Core Objective** | **Course** | **Student Learning Outcomes** | **Assessment Criteria** | **Student Results** | **Use of Results** |
| 1. Critical Thinking Skills to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. | BIOL 1306 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1307 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1311 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1313 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2301 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2302 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2321 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 2. Communication Skills to include effective written, oral, and visual communication. | BIOL 1306 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1307 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1311 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1313 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2301 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2302 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2321 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 3. Empirical and Quantitative skills to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. | BIOL 1306 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1307 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1311 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1313 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2301 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2302 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2321 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 4. Teamwork skills to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. | BIOL 1306 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1307 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1311 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 1313 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2301 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2302 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | BIOL 2321 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |

**Chemistry:**

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| **Core Objective** | **Course** | **Student Learning Outcomes** | **Assessment Criteria** | **Student Results** | **Use of Results** |
| 1. Critical Thinking Skills to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. | CHEM 1311 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 1312 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2323 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2325 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 2. Communication Skills to include effective written, oral, and visual communication. | CHEM 1311 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 1312 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2323 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2325 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 3. Empirical and Quantitative skills to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. | CHEM 1311 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 1312 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2323 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2325 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 4. Teamwork skills to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. | CHEM 1311 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 1312 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2323 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | CHEM 2325 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |

**Physics:**

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| **Core Objective** | **Course** | **Student Learning Outcomes** | **Assessment Criteria** | **Student Results** | **Use of Results** |
| 1. Critical Thinking Skills to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. | PHYS 1301 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 1302 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2325 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2326 | 1a.  | 1a.  | 1a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 2. Communication Skills to include effective written, oral, and visual communication. | PHYS 1301 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 1302 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2325 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2326 | 2a.  | 2a.  | 2a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 3. Empirical and Quantitative skills to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. | PHYS 1301 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 1302 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2325 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2326 | 3a.  | 3a.  | 3a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
| 4. Teamwork skills to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. | PHYS 1301 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 1302 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2325 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |
|  | PHYS 2326 | 4a.  | 4a.  | 4a.Cl F2F: Pa F2F: Ch F2F: DI: DC: Prison:  |  |