1. **WELCOME**

2. **COURSE OFFERINGS**
   **Majors.** The 100- and 200-Level courses listed below fulfill the degree requirements for Biology Majors:

   **100 Level:**
   - BIOL-101 – General Biology I (gkundu@brookdalecc.edu) F, S, Su
   - BIOL-102 – General Biology II (rmartens@brookdalecc.edu) F, S, Su

   **200 Level:**
   - BIOL-205 – Invertebrate Zoology (rmartens@brookdalecc.edu) F
   - BIOL-206 – Vertebrate Zoology (cfencik@brookdalecc.edu) S
   - BIOL-207 – Marine Biology (rmartens@brookdalecc.edu) Su
   - BIOL-208 – Ecology & Field Biology (masmith@brookdalecc.edu) F
   - BIOL-213 – Microbiology (masmith@brookdalecc.edu) F, S, Su
   - BIOL-215 – Cell and Molecular Biology (gkundu@brookdalecc.edu) S

   **Nonmajor Offerings.** The 100-Level courses listed below are usually taken by (1) nonmajors to fulfill a laboratory requirement for graduation or (2) students in professional studies programs (i.e., nursing). Majors with special interest in the subjects may enroll, but should be mindful of degree and transfer requirements.

   - BIOL-105 – Life Sciences (cfox@brookdalecc.edu) F, S, Su
   - BIOL-108 – Human Biology (mwolfson@brookdalecc.edu) F, S
   - BIOL-111 – Anatomy and Physiology I (jcrowder@brookdalecc.edu) F, S, Su
   - BIOL-112 – Anatomy and Physiology II (cwong@brookdalecc.edu) F, S, Su
   - BIOL-125 – Introduction to Plants (skimble@brookdalecc.edu) F
   - BIOL-126 – Exploring Biology: Cycles of Life (cfox@brookdalecc.edu) F, S

3. **REGISTRATION**
   - Registration for Spring 2020 begins Nov 5 (Priority) and Nov 18 (Open).
   - Registration for Summer and Fall 2020 – March 2020.

   - Always register as early as possible to secure a seat in the class.

   - Remember to pay your tuition bill on time! Students that do not pay by the due date are dropped from courses.
4. **COURSE SEQUENCE**
The course sequence outlined below is recommended for completing your degree in two years.

**Semester 1 – Fall Term** (Total Credits: 15)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-101</td>
<td>General Biology I</td>
<td>4</td>
<td>Career Studies</td>
</tr>
<tr>
<td>CHEM-101</td>
<td>General Chemistry I</td>
<td>5</td>
<td>General Education</td>
</tr>
<tr>
<td>ENGL-121</td>
<td>English Composition: The Writing Process</td>
<td>3</td>
<td>C, Communications</td>
</tr>
<tr>
<td></td>
<td>Social Sciences, Select One:</td>
<td></td>
<td>SS, Social Science</td>
</tr>
<tr>
<td>POLI-101</td>
<td>Intro to Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC-105</td>
<td>Intro to Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCI-101</td>
<td>Principles of Sociology</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Semester 2 – Spring Term** (Total Credits: 16)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-102</td>
<td>General Biology II</td>
<td>4</td>
<td>Career Studies</td>
</tr>
<tr>
<td>CHEM-102</td>
<td>General Chemistry II</td>
<td>5</td>
<td>General Education</td>
</tr>
<tr>
<td>ENGL-122</td>
<td>English Composition: Writing and Research</td>
<td>3</td>
<td>E, Ethical Reasoning</td>
</tr>
<tr>
<td></td>
<td>Mathematics, Select One:</td>
<td></td>
<td>C, Communications</td>
</tr>
<tr>
<td>MATH-151</td>
<td>Intermediate Algebra</td>
<td>4</td>
<td>M, Mathematics</td>
</tr>
<tr>
<td>MATH-131</td>
<td>Statistics</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Required for BIOL-208)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: You can increase your options by enrolling in one or more Summer courses!*

**Summer 200-Level Biology Course Offerings:**
*BIOL-207 (Marine Biology – Summer Only)*
*BIOL-213 (Microbiology)*
### Semester 3 – Fall Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-205</td>
<td>Invertebrate Zoology</td>
<td>4</td>
<td>Career Studies</td>
</tr>
<tr>
<td>BIOL-208</td>
<td>Ecology and Field Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-213</td>
<td>Microbiology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM-203</td>
<td>Organic Chemistry</td>
<td>5</td>
<td>Career Studies</td>
</tr>
<tr>
<td>COMP-129</td>
<td></td>
<td>3</td>
<td>IL, Information Literacy</td>
</tr>
</tbody>
</table>

Humanities, Select One:  
- ARTH-105  Art Appreciation  
- MUSI-115  Music Appreciation  
- THTR-105  Theater Appreciation  
- PHIL-105  Critical Thinking

### Semester 4 – Spring Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-206</td>
<td>Vertebrate Zoology</td>
<td>4</td>
<td>Career Studies</td>
</tr>
<tr>
<td>BIOL-213</td>
<td>Microbiology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL-215</td>
<td>Cell and Molecular Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM-204</td>
<td>Organic Chemistry</td>
<td>5</td>
<td>Career Studies</td>
</tr>
</tbody>
</table>

Humanities or Social Science, Select One:  
- ANTH-105  Cultural Anthropology  
- ANTH-106  Cultures of the World  
- HGEA-105  Human Geography  
- SOC-105   Intercultural Communication  
- HIST-105  World Civilization

Elective  2 – 4 Credits
**Biology Major: Explanation of Requirements:  60 Credits Required**

**Career Studies:**
- 18 Credits Required:
  - BIOL-101, BIOL-102, CHEM-203, **and** CHEM-204

**General Education Courses:**
- 10 Credits Required:
  - CHEM 101 **and** CHEM 102 (5 Cr each)

**Career Studies - Select 2:**
- 8 Additional Credits Required:
  - BIOL205, BIOL206, BIOL207, BIOL208, BIOL213, BIOL215 (4 Cr each)

---

**Communications (C):**
- 6 Credits Required:
  - ENGL-121 **and** ENGL-122 (3 Cr each)

**Humanities (HU):**
- 3 Credits Required:
  - ARTH-105, MUSI-115, THTR-105, **or** PHIL-105 (3 Cr each)

**Social Sciences (SS):**
- 3 Credits Required:
  - POLI-101, PSYC-105, **or** SOCI-101 (3 Cr each)

**Humanities/Social Sciences:**
- 3 Additional Credits Required:
  - ANTH-105, ANTH-106, H GEO-105, SOC-105, **or** HIST-105 (3 Cr each)

**Math (M):**
- 3 – 8 Credits Required:
  - MATH-151 **or** MATH-131 (4 Cr each)

**Technological Competency (IT):**
- COMP-129 (3 Credits)

**Elective**
- 2 – 4 Credits

---

**Cultural and Global Awareness**
- One Course Required:
  - ANTH-105, ANTH-106, H GEO-105, SOC-105, **or** HIST-105

**Ethical Reasoning and Action (E):**
- One Course Required:
  - ENGL-122

**Information Literacy**
- One Course Required:
  - COMP-129
5. **TRANSFER**

Transfer checklist

**Transfer Law**

**Major requirements & Programs at NJ colleges & Universities**

**Rutgers at Brookdale**

**Transfer Scholarship information**

University of the Sciences Transfer Partner Day – Friday, November 1, 9:00 a.m.-1:00 p.m. ([https://www.brookdalecc.edu/documents/transfer-agreements/USciences-Brookdale-Program-to-Program-Agreement-Summary-for-website.pdf](https://www.brookdalecc.edu/documents/transfer-agreements/USciences-Brookdale-Program-to-Program-Agreement-Summary-for-website.pdf))

6. **RESOURCES – STUDENT SUPPORT**

- Biology Department Website  
  [https://www.brookdalecc.edu/stem-institute/biology/](https://www.brookdalecc.edu/stem-institute/biology/)  
  (From BCC Homepage, click Academics, STEM, Biology Department)  
  Contact: [cfox@brookdalecc.edu](mailto:cfox@brookdalecc.edu)

- Computer Lab (MAS-019)

- STEM Academic Advisor  
  [sfarnkopf@brookdalecc.edu](mailto:sfarnkopf@brookdalecc.edu)

- STEM Counselor  
  [cgoode@brookdalecc.edu](mailto:cgoode@brookdalecc.edu)

- General Biology/Microbiology Independent Study Lab (MAS-041)  
  Anatomy & Physiology Independent Study Lab (MAS-056)

- Library  
  [https://www.brookdalecc.edu/library/](https://www.brookdalecc.edu/library/)  
  Book an appointment with a Librarian:  
  [https://bankierlibraryresearchhelp.youcanbook.me/](https://bankierlibraryresearchhelp.youcanbook.me/)

- Tutors – NASA STEM Fellows  
  [www.brookdalecc.edu/stem-institute/stem-lounge](http://www.brookdalecc.edu/stem-institute/stem-lounge)  
  Contact: [gkundu@brookdalecc.edu](mailto:gkundu@brookdalecc.edu)

- Writing Center  
  [https://www.brookdalecc.edu/humanities-institute/english/writing-center/](https://www.brookdalecc.edu/humanities-institute/english/writing-center/)
7. ACTIVITIES, PROGRAMS AND OPPORTUNITIES

- **Activities**
  - **Biology Club**  
    Contact: skimble@brookdalecc.edu, lvancleve@brookdalecc.edu  
    Email: biologyclub@brookdalecc.edu
  - **Earth Day Celebration!**  
    Contact: cfox@brookdalecc.edu  
    Date: Week of April 20
  - **Stem Quiz Bowl**  
    Contact: ateodorescu@brookdalecc.edu; sroubos@brookdalecc.edu  
    Date: April 16

- **Honors & Awards**
  - **Honors Courses**  
    BIOL 101 - (Fall only) jcrowder@brookdalecc.edu  
    BIOL 102 - (Spring only) masmith@brookdalecc.edu
  - **Outstanding Student Award, STEM**  
    Contact: STEM Institute Office  
    Date: Applications available in March

- **Lectures**
  - **Science Mondays** (6:30 PM, Twin Lights Rooms, Student Life Center)  
    Fall dates: 9/23, 10/28, 11/25  
    Spring dates: 1/27, 2/24, 3/23, 4/27, 5/18
  - **Current Topics in Biology Seminar Series** (11:45 AM, MAN105)  
    Fall dates: 10/24, 11/21, 11/23  
    Spring dates: 2/27, 3/26
  - **Biology Student Poster Session** (Lower MAS Lobby and Labs)  
    Fall: 12/3  
    Spring: 4/28

- **Academic & Departmental Projects**
  - **BIOL295 Special Projects** (1 – 3 Credits)  
    Contact: pdillon@brookdalecc.edu
  - **Greenhouse work and projects**  
    Contact: lvancleve@brookdalecc.edu