1. Application Procedure

UW System application is required for admission to the university, along with official high school and all college transcripts. To apply, visit https://apply.wisconsin.edu.

Molecular Biology and Bioinformatics Major entrance requirements: Incoming freshmen must have a minimum ACT of 25. Current students wishing to enter the program must complete BIOS 260 General Genetics, and attain a minimum UW-Parkside cumulative GPA of 2.75 at the time of application. Transfer students will be assessed on these guidelines.

2. Transfer Policies

Within the major, a minimum of 15 credits in courses numbered 300 or above must be completed at UW-Parkside. At least 30 of the last 60 credits must be completed at UW-Parkside to fulfill the residency requirement. Students transferring from non-baccalaureate institutions to UW baccalaureate-granting institutions may generally transfer up to 72 credits earned at non-baccalaureate institutions toward the 120 credits required for degree completion. UW institutions may accept additional credits toward the degree where appropriate.

3. Major Requirements

The following requirements for degrees are in addition to the university general education requirements.

Biological Sciences Major (76-79 credits):

A. Core Courses (19 Credits)

<table>
<thead>
<tr>
<th>UWC Course</th>
<th>UW-Parkside Name</th>
<th>UWP Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taken at UWP</td>
<td>Bioscience</td>
<td>BIOS 101</td>
</tr>
<tr>
<td>Taken at UWP</td>
<td>Organismal Biology</td>
<td>BIOS 102</td>
</tr>
<tr>
<td>Taken at UWP</td>
<td>Biostatistics</td>
<td>BIOS 210</td>
</tr>
<tr>
<td>BIO 260</td>
<td>General Genetics</td>
<td>BIOS 260</td>
</tr>
<tr>
<td>Taken at UWP</td>
<td>Experimental Methods/Biochemistry Lab</td>
<td>BIOS 435</td>
</tr>
<tr>
<td>Taken at UWP</td>
<td>Senior Seminar</td>
<td>BIOS 495</td>
</tr>
</tbody>
</table>

B. Mathematics, Chemistry, and Physics Courses (33 credits)

Mathematics

- MAT 221 Calculus and Analytic Geometry I MATH 221

Chemistry

- CHE 145 AND CHE 155 General Chemistry I AND General Chemistry II CHEM 101 AND CHEM 102
- CHE 343 Organic Chemistry I CHEM 321
- CHE 363 Organic Chemistry II CHEM 322
- CHE 351 AND CHE 361 Organic Chemistry and Laboratory* CHEM 323

Physics

- PHY 141 College Physics I PHYS 105
- PHY 142 OR PHY 201 College Physics II OR General Physics I PHYS 106 OR PHYS 201
- PHY 202 General Physics II PHYS 202

*Strongly recommended, but not required. Most graduate and professional schools require an organic chemistry course with a laboratory component. Students who do plan to graduate work are also advised to take MATH 222.
C. Elective Courses (24 credits)
Each student must complete a minimum of 24 elective credits selected from 200-400 level biological courses. At least 3 credit hours must be selected from each of the following four areas: 1) cell and molecular biology, 2) organismal structure and function, 3) biological diversity, and 4) population biology. See the academic catalog for a full listing of electives. http://uwp.edu/catalog-pdfs/bios.pdf

UWC courses BIO 271 and BIOS 277 at UW-Waukesha transfer as 200 level BIOS electives.

Requirements for Concentration in Pre-Health Professions (27 credits)
Students complete the same biological sciences major core course requirements (A) and mathematics, physics, and chemistry course requirements (B), but follow the specific require concentration courses listed in the academic catalog: http://uwp.edu/catalog-pdfs/bios.pdf

Molecular Biology and Bioinformatics Major (80-82 credits):
A. Core Courses (36 credits)

<table>
<thead>
<tr>
<th>UWC Course</th>
<th>UWP-Parkside Name</th>
<th>UWP Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>Bioscience</td>
<td>BIOS 101</td>
</tr>
<tr>
<td>BIOS 102</td>
<td>Organismal Biology</td>
<td>BIOS 102</td>
</tr>
<tr>
<td>BIOS 210</td>
<td>Biostatistics</td>
<td>BIOS 210</td>
</tr>
<tr>
<td>BIOS 260</td>
<td>General Genetics</td>
<td>BIOS 260</td>
</tr>
<tr>
<td>BIOS 301</td>
<td>Cell Biology</td>
<td>BIOS 301</td>
</tr>
<tr>
<td>BIOS 453</td>
<td>Molecular Biology and Bioinformatics of Nucleic Acids</td>
<td>BIOS 453</td>
</tr>
<tr>
<td>BIOS 455</td>
<td>Protein Biochemistry and Bioinformatics</td>
<td>BIOS 455</td>
</tr>
<tr>
<td>BIOS 489</td>
<td>Molecular Biology and Bioinformatics Senior Project</td>
<td>BIOS 489</td>
</tr>
<tr>
<td>BIOS 499</td>
<td>Independent Study, over two semesters</td>
<td>BIOS 499</td>
</tr>
</tbody>
</table>

B. Mathematics, Chemistry, and Physics Courses (36-38 credits)

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>UWP Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus and Analytic Geometry I AND Discrete</td>
<td>MATH 221 and MATH 231</td>
</tr>
<tr>
<td>Calculus and Analytic Geometry II</td>
<td>MATH 222</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemistry</th>
<th>UWP Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry I AND General Chemistry II</td>
<td>CHEM 101 AND CHEM 102</td>
</tr>
<tr>
<td>Organic Chemistry I</td>
<td>CHEM 321</td>
</tr>
<tr>
<td>Organic Chemistry II</td>
<td>CHEM 322</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physics</th>
<th>UWP Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Physics I</td>
<td>PHYS 105</td>
</tr>
<tr>
<td>College Physics II OR General Physics I</td>
<td>PHYS 106 OR PHYS 201</td>
</tr>
<tr>
<td>General Physics II</td>
<td>PHYS 202</td>
</tr>
</tbody>
</table>

C. Elective Courses (8 credits)
Choose from 400-600 level courses (excluding UWP courses: Bios 435, BIOS 495, and BIOS 499)
See the academic catalog for a full listing of choices: http://uwp.edu/catalog-pdfs/bios.pdf

4. Skills, Foreign Language, Ethnic Diversity, & General Education Requirements

Students that earn Associate of Arts & Science Degree at a UW College will satisfy general education and skills requirements at UW-Parkside. Students may need to meet the foreign language and ethnic diversity requirement.

Students who transfer to UW-Parkside without the Associate of Arts & Science degree must complete skills, foreign language, diversity, and general education requirements as listed below.

ENGLISH AND MATH COMPUTATIONAL SKILLS

<table>
<thead>
<tr>
<th>UWC Course</th>
<th>UWP-Parkside Name</th>
<th>UWP Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102</td>
<td>Composition and Reading</td>
<td>ENGL 101</td>
</tr>
<tr>
<td>MAT 105 OR</td>
<td>Survey of Mathematics</td>
<td>MATH 102</td>
</tr>
<tr>
<td>MAT 110</td>
<td>College Algebra II</td>
<td>MATH 112 (required for business majors)</td>
</tr>
</tbody>
</table>
FOREIGN LANGUAGE REQUIREMENT
Must be fulfilled by one of the following options:
- two years of one language in high school with a grade of c or better in the second year of the language
- complete course at 104 level or above at UW-Parkside (or equivalent)
- 2 college semesters of one foreign language from an accredited institution

ETHNIC DIVERSITY REQUIREMENT
Any UWP course or equivalency with the (DV) designation meets UW-P’s ethnic diversity requirement.

GENERAL EDUCATION REQUIREMENT
1. HUMANITIES AND ARTS: 12 Credits required from at least three different departments/programs
2. SOCIAL AND BEHAVIORAL SCIENCE: 12 Credits required from at least three different departments/programs
3. NATURAL SCIENCE - 12 Credits required from at least three different departments/programs
   Options are shown on page 4.

5. Contact Info

UW-Parkside Admissions Office
Amelia Tobias
Transfer Admissions Counselor
Phone: (262)595-2668
E-mail: tobias@uwp.edu

Biological Sciences Department
Phone: (262)595-2744
Location: Greenquist 344

Visit the College of Natural and Health Sciences website:
https://www.uwp.edu/learn/colleges/naturalhealthsciences/

Every effort is made to maintain accurate information; however, this information is subject to change. It is always best to check with your UW College advisor, UWP Transfer Admissions Counselor, or UWP advisor to ensure accuracy of equivalencies in your transfer plan. Students may also utilize the Student Transfer Assessment Report (STAR) and the Transfer information System (TIS) to view equivalencies.
### Humanities & Arts

**Art**
- ART 100, 101, 104, 105, 106, 107, 110, 111, 113, 114, 115, 122, 125, 126, 133, 134, 144, 161, 170, 175, 180, 181, 183, 209, 210, 211, 235, 236, 245, 261, 290
- WOM 295

**English**
- ENG 242 (DV), 250, 253, 255, 261, 263, 264, 266, 267, 281, 284, 286
- FRE 277
- PHI 226
- WOM 279

**Humanities**
- ANT 260 (DV), ANT 353 (DV), INT 230, WOM 203

**Music**
- MUS 072, 131, 170, 173, 273(DV)
- WOM 102

**Philosophy**
- PHI 101, 103, 106, 201, 202, 203(DV), 210, 211, 220, 230, 237, 241, 242, 243, 244, 248, 259(DV), 261
- INT230, WOM 202, BIO 230, REL 258, REL 261

**Theater**
- CTA 130, 131, 349
- COM 103

**Modern Languages**
- FRE 201, 203 AND 204, 205
- GER 201, 203 AND 204, 205
- SPA 203 AND SPA 204, 205

### Social & Behavioral Sciences

**Business**
- BUS 101, 110

**Communications**
- CTA 100, 101, 102, 110, 160, 201, 202, 203, 204, 211, 218, 220, 221, 230, 266, 268, 298

**Economics**
- ECON 101, 203, 204

**Ethnic Studies**
- AIS 101 (DV), ANT 353, SPA 247(DV)

**Geography**
- GEO 101, 102(DV), 104 (DV), 110, 130, 200, 277
- INT 210, ART 185, ART 188, PHI 232

**Health, Exercise Science, and Sports Management**
- HES 206

**Interdisciplinary Studies**
- INT 210

**Political Science**
- POL 101, 104, 106, 160, 175, 201, 204, 206, 218, 220, 221, 225, 250, 298, 352

**Psychology**
- PSY 201, 202, 205, 208, 224, 270(DV), 311
- WOM 208

**Sociology & Anthropology**
- SOC 101, 120, 125, 134 (DV), 160, 220, 231, 234(DV), 238, 250, 270, 275, 285, 291
- ANT 100, 204, 222, 302, 303, 322, 341, 351
- PHI 203, 231

**Women’s Studies**
- INT 101, 208, 231
- WOM 101, 138, 201, 231

### Natural Sciences

**Biology**
- BOT 100, 130, 202, 240, 299

**Chemistry**
- CHE 112, 123, 124, 125, 145, 165, 175, 203 AND 211, 204, 214, 290, 299, 351, 361

**Computer Science**
- CPS 103, 130, 131, 211, 213, 216, 217, 245

**Geography**
- GLG 100, 101, 104, 107, 130, 131, 169, 291, 297, 314, 350

**Geoscience**
- GEO 106, 120, 123, 124, 125
- GEO 130, NAT 250

**Health, Exercise Science, and Sports Management**
- HES 209

**Math**
- MAT 221, 222, 234
- CPS 240, 241, 243

**Physics**
- PHY 107, 110, 115, 141, 211, 212, 213
- AST 100, 101, 105, 200

**Management Information Systems**
- CPS 240