

MEMORANDUM OF UNDERSTANDING
ANNE ARUNDEL COMMUNITY COLLEGE & TOWSON UNIVERSITY
April 15, 2019

GEOLOGY B.S. Degree


Anne Arundel Community College, Arnold, Maryland, and Towson University, agree to follow the attached articulation of courses outlined in the course equivalency document, for completion of requirements for the Bachelor of Science degree in Geology (Attachment A), attached to, and incorporated herein. The following terms are applicable to this MOU, with the specific curricula requirements for transfer set forth in Attachment A.

1. Towson University will accept a maximum number of 64 credits from Anne Arundel Community College with the number of transferable credits specific to the Geology program as set forth in Attachment A.
2. Students who have completed the Associate of Science Degree in the Earth Science program at Anne Arundel Community College are guaranteed admission into Towson University's Geology program with junior standing provided that the student has completed all courses identified on Attachment A with a cumulative GPA of 2.00 or higher. Lower-division courses (100 or 200 level) completed at Anne Arundel Community College that are equivalent to Towson University upper-division courses (300 or 400 level) will transfer and satisfy equivalent course requirements; however, the Anne Arundel Community College lower-division course (100 or 200 level) will not be recognized as an upper-division course (300 or 400 level) at Towson University or counted toward Towson University's graduation requirement of 32 upper level credits.
3. Only courses in which a grade of C (2.00) or better is earned will apply toward the major at Towson University.
4. In accordance with the Code of Maryland Regulations (COMAR) transfer policy pertaining to general education requirements (13B.06.01), Towson University will accept the completion of Anne Arundel Community College's general education requirements (GenEds) and students will be required to complete courses at Towson University to satisfy the remaining *University Core* requirements only as shown in Attachment A.
5. Towson University recognizes college-level experiential learning gained through previous work, military and/or volunteer service or life experience. Credit for prior learning may also be established through course challenge or standardized credit by examination.
6. Anne Arundel Community College students transferring to Towson University will be given every consideration for financial aid and will be eligible to compete for academic scholarships upon entrance to Towson University subject to stated scholarship deadlines.
7. Both Anne Arundel Community College and Towson University agree to work together to facilitate the transfer of students from Anne Arundel Community College to Towson University and to work cooperatively to insure the high quality of the programs at the

respective institutions. Transfer of students will be in accordance with policies and procedures of both institutions, as they may be amended from time to time.


8. This MOU will be in effect initially for ten years, beginning *fall 2019*, with a review every two years by both parties. Any revisions the parties deem necessary must be evidenced in writing and signed by the authorized officials of each institution. Either party may terminate this MOU by giving the other party written notice of its intent to terminate six (6) months prior to the termination date.
9. Towson University will provide annual transfer reports to Anne Arundel Community College. Transfer reports will include data and information regarding student demographics, number of students in program of study, number of credits transferred, scholarship awardees, number of students that have been conferred a bachelor's degree and other pertinent information on former Anne Arundel Community College students who are currently enrolled in this program at Towson University.
10. This MOU, when signed, constitutes the entire agreement between the parties and supersedes all prior agreements and understandings between the parties respecting the matter hereof.

ANNE ARUNDEL COMMUNITY COLLEGE AND TOWSON UNIVERSITY



Dr. Michael Gavin
Vice President for Learning

Date 4/24/19



Dr. Melanie Perreault
Provost and Executive Vice President
for Academic Affairs

Date 5/1/19

ANNE ARUNDEL COMMUNITY COLLEGE – EARTH SCIENCE ARTS & SCIENCES A.S. DEGREE
TOWSON UNIVERSITY/ GEOLOGY B.S. DEGREE

| ANNE ARUNDEL COMMUNITY COLLEGE | | | TOWSON UNIVERSITY | | |
|--|--|-----------|-------------------------------|---|---------------|
| COURSE # | COURSE TITLE | CRS | TU EQUIVALENCY | COMMENTS | COURSE ID# |
| | General Education Applied to CORE | | | | |
| ENGL 101 OR ENG 101A OR ENG 101H | Academic Writing and Research I OR Academic Writing and Research I OR Academic Writing and Research I - Honors | 3 | TSEM 102 (waived) ENGL 102 | | 13192 2348 |
| ENG 102 OR ENG 102H | Academic Writing and Research 2 Academic Writing and Research 2 - Honors | 3 | ENGL T1L | | 10267 |
| MAT 191 | Calculus and Analytical Geometry 1 | 4 | MATH 273 | Satisfies Required course for major at TU | 4407 |
| A&H – COM | Arts & Humanities - Communications | 3 | Varies | See note under AACCC course selection (page 2) | |
| A&H – Soph. Lit | Arts & Humanities - Sophomore Literature | 3 | Varies | See note under AACCC course selection (page 2) | |
| S&B | Social & Behavioral Science | 3 | Varies | See note under AACCC course selection (page 2) | |
| S&B - History | Social& Behavioral Science: History (HIS-111, 112, 211 OR 212 (strongly recommended)) | 3 | Varies | See note under AACCC course selection (page 2) | |
| CHE 111 | General Chemistry I | 4 | CHEM 131/131 L | Satisfies Required course for major at TU | 13097/13098 |
| PHS 113 | Physical Geology | 4 | GEOG 121 | Satisfies Required course for major at TU | 3086 |
| Hlth/Fit/Well | Health/Fitness/Wellness General Education | 3 | Varies | See note under AACCC course selection (page 2) | |
| MAT 192 | Calculus and Analytical Geometry 2 | 4 | MATH 274 | | 4408 |
| | Units Applied to CORE | 37 | | | |
| | Program Requirements/Electives | | | | |
| PHS 109 | General Oceanography | 3 | GEOG 157 (357) * | Satisfies elective course for major at TU. Transfers as lower level credit. | 11160 |
| PHY 211 | General Physics I | 4 | PHYS 241 | Satisfies Required course for major at TU | 6805 |
| PHY 212 | General Physics 2 | 4 | PHYS 242 | Satisfies Required course for major at TU | 6806 |
| Elective - CHE 112 ** | General Chemistry 2 (strongly recommended) | 4 | CHEM 132/132 L | Satisfies Required course for major at TU | 13099/13100 |
| Elective - GEO 240 ** | Intro Geographic Information Systems (recommended) | 3 | GEOG 232 | Satisfies Required course for major at TU | 2952 |
| Elective - CTA 100** | Computing and Information Technology (strongly recommended) | 3 | COSC 111 | Satisfies elective course for major at TU | 13369 |
| Elective | General Elective | 2 | Depends on Choice | | |
| | Program Requirements Applied | 23 | | | |
| | Total Units Completed at AACCC | 60 | | | |
| | Maximum Units in Transfer | 64 | | | |
| | | | | CORE TRANSFER PACKAGE 4 | |

* PHS 109 transfers as GEOL 357 and satisfies an elective course in the major at TU for students under this agreement ONLY.

** See Anne Arundel Community College Course Selection section on page 2

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Anne Arundel Community College Course Selection:

General Education:

1. Students should select courses that appeal to their personal or professional interests to satisfy Arts & Humanities – Communications, Arts & Humanities – Sophomore Literature, Social & Behavioral Science, Social & Behavioral Science: History and Health/Fitness/Wellness general education categories. Courses for which TU does not offer a direct equivalent will be assigned a lower-level elective in the same discipline (e.g. COMM TLL).
2. All courses that satisfy general education categories at AACCC will transfer and be applied to TU's Core Curriculum. Students under this agreement will receive Core packages at TU, requiring them to take only one additional Core course at TU.
3. Students must satisfy the Diversity requirement and the Computing and Information Technology Requirement at AACCC.
4. Students are encouraged to take an ethics course before transferring to TU. Students who do not complete an ethics or diversity course at AACCC may be required to take an additional Core course at TU.

Program Electives:

1. Students should take CTA 100 as one of their program electives at AACCC to satisfy the AACCC Technology requirement.
2. Students should take CHE 112 – General Chemistry 2 as one of their program electives at AACCC. CHE 112 transfers as CHEM 132/L and satisfies a required course in the major at TU. Students who do not complete CHE 112 with a C or better at AACCC will be required to take CHEM 132 and CHEM 132L at TU.
3. Students should take GEO 240 – Introduction to Geographic Information Systems as one of their program electives at AACCC. GEO 240 transfers as GEOG 232 and satisfies an elective in the major at TU. Students who do not complete GEO 240 will be required to take an additional major elective at TU.

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Degree Requirements to be completed at Towson University: 60 UNITS

CORE Requirements to be completed at Towson University 3 Units:

Core 9: Advanced Writing Seminar 3
Students who do not take a Diversity or Ethics course at AACCC may require an additional Core course.

Program Requirements to be completed at Towson University 35-45 Units:

| <u>Required Geology Courses</u> | <u>24 units:</u> |
|---|------------------|
| GEOL 123 Historical Geology | 4 |
| GEOL 305 Environmental Geology | 4 |
| GEOL 321 Structural Geology | 4 |
| GEOL 331 Mineralogy | 4 |
| GEOL 333 Petrology of Igneous and Metamorphic Rocks | 4 |
| GEOL 443 Sedimentology and Stratigraphy | 4 |

Additional Required Courses 0-4 units:

| | |
|------------------------------------|---|
| CHEM 132 General Chemistry II | 3 |
| CHEM 132L General Chemistry II Lab | 1 |

If CHE 112 was not taken at AACCC

Program Electives 11-17 units:

Three additional courses (minimum of 11 units) are required. Students must choose from a list of electives (see current TU catalog). At least two courses must be Geology courses (GEOL). Students who did not complete PHS 109 or GEO 240 at AACCC must take five courses (minimum of 17 units) of which three must be Geology courses (GEOL).

General Electives 12-22 Units

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ADDITIONAL BACHELOR'S DEGREE REQUIREMENTS:

- A C (2.0) or higher is required in all major courses and prerequisites
- A cumulative grade point average (GPA) of 2.0 is required
- 32 units of the bachelor's degree must be completed at the upper level (courses numbered 300 or above)

| | |
|---|--------------|
| TOTAL UNITS TO B.S. Degree | 120 |
| AACC A.S. Degree | 60 |
| Completion of Core Requirements at TU | 3 |
| Completion of Program Requirements at TU | 35-45 |
| Electives | 12-22 |