

Thomas Nelson Community College/Old Dominion University

2018-2019 Catalog

Monarch Teach on the Peninsula

Associate of Science in Science to Bachelor of Science in Biology with VA Teacher Licensure, grades 6-12
TNCC/ODU Joint Program

| Thomas Nelson Community College Associate of Science in Science | | | | Old Dominion University Bachelor of Science in Biology with VA Teacher Licensure, grades 6-12 | | | |
|--|-----|---|-----------|--|------|--|-----------|
| ENG | 111 | College Composition I* | 3 | ENGL | 110C | English Composition I | 3 |
| History Elective | | History Elective | 3 | To meet Lower-Division General Education Package | | | 3 |
| BIO | 101 | General Biology I* | 4 | BIOL 121N/122N | | General Biology I | 4 |
| MTH | 161 | Precalculus I* | 3 | MATH | 162M | Precalculus I | 3 |
| SDV | 100 | College Success Skills | 1 | UNIV | 100 | University Orientation | 1 |
| Wellness Elective | | Health/PE | 1 | HLTH/ PE | ELE | Elective | 1 |
| ENG | 112 | College Composition II* | 3 | ENGL | 211C | English Composition II | 3 |
| BIO | 102 | General Biology II* | 4 | BIOL 123N/124N | | General Biology II | 4 |
| Social Science Electives | | Social Science Electives | 6 | To meet Lower-Division General Education Package | | | 6 |
| MTH | 261 | Applied Calculus (Instead of MTH 162)* | 3 | MATH | 200 | Applied Calculus | 3 |
| Humanities Electives | | Humanities Electives | 6 | To meet Lower-Division General Education Package | | | 6 |
| CHM | 111 | College Chemistry I* | 4 | CHEM 121N/122N | | General Chemistry I | 4 |
| MTH | 245 | Statistics* | 3 | STAT | 130M | Elementary Statistics | 3 |
| PHY | 201 | General Physics I* | 4 | PHYS | 111N | General Physics I | 4 |
| CHM | 112 | College Chemistry II* | 4 | CHEM 123N/124N | | General Chemistry II | 4 |
| GOL | 105 | Physical Geology* (Take as Math/Science elective) | 4 | OEAS | 111N | Physical Geology | 4 |
| NAS | 206 | Design and Application of Scientific Research* | 3 | SCI | 2ELE | Elective (Substitute for Info Literacy and Research 1 REQ) | 3 |
| BIO | 141 | Human Anatomy & Physiology* (Take as Math/Science elective) | 4 | BIOL | 250 | Human Anatomy & Physiology | 4 |
| Total Credits for AS Degree | | | 63 | Total Credits Transferred to ODU | | | 63 |

**Additional Coursework to Complete the BS in Biology,
Teacher Education Concentration**

Courses offered at TNCC or ODU Norfolk Campus

| TNCC course # | ODU course # | Course Name | Cr |
|---|--------------|---|-----|
| CHM 241 | CHEM 211 | Organic Chemistry I* | 3 |
| CHM 245 | CHEM 212 | Organic Chemistry Lab* | 2 |
| ODU Courses offered at Peninsula Higher Education Center** | | | |
| TLED | 195 | Topics in Education | 1** |
| STEM | 101 | Step 1-Inquiry Approaches to Teaching STEM | 1** |
| STEM | 102 | Step 2-Inquiry Based STEM Lesson Design | 1** |
| STEM | 201 | Knowing and Learning Science and Math Education | 3 |
| STEM | 202 | Classroom Interactions in STEM Ed | 3 |
| STEM | 401 | Project Based Instruction | 3 |
| STEM | 402 | Perspectivfes on Science and Math | 3 |
| STEM | 485 | Apprentice Teaching | 9 |

Courses offered through ODU, Online+ and Norfolk Campus^

| | | | |
|---|------|---|-----|
| BIOL | 291 | Ecology+ | 3 |
| BIOL | 292 | Evolution+ | 3 |
| BIOL | 293 | Cell Biology+ | 3 |
| BIOL | 303 | Genetics+ | 3 |
| BIOL | 468W | Research Methods in Sci. and Math^ | 3 |
| BIOL 307, 401 or 420, 422, 424, or 441 | | Zoology^ | 4-5 |
| BIOL | 308 | Botany^ | 4 |
| BIOL | 315 | Microbiology^ | 5 |
| BIOL Elective 300/400 (Online or On Campus) | | Students must complete 16 credits of upper level BIOL electives. Therefore, they must take 2-3 credit hours of BIOL elective along with Zoology, Botany and Microbiology to meet this requirement | 2-3 |

Total Transfer Credits from TNCC **63**

Total credits of additional coursework required for BS in Biology , Teacher Ed Concentration **60/63**

Total Credits **122/125**

Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement.

***Indicates departmental requirement at ODU. Must earn C or better for transfer.**

**** Students will cross-register through the Tidewater Consortium to enroll in the Monarch Teach courses offered by ODU at the Peninsula Higher Education Center.**

**To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent:
<http://www.odu.edu/transfer/vccs>**

Completion of this articulation agreement alone does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions or the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.

Susan English 7/10/19
Signature Date
Dr. Susan English
Vice President for Academic Affairs
Thomas Nelson Community College

Brian Payne 7/12/19
Signature Date
Dr. Brian Payne
Vice Provost for Academic Affairs
Old Dominion University