

AN ARTICULATION AGREEMENT FOR A  
DUAL DEGREE PROGRAM  
in  
LIBERAL ARTS AND SCIENCES  
and  
ENGINEERING

at

Bloomsburg University  
and  
THE PENNSYLVANIA STATE UNIVERSITY

January 2022

## PURPOSE

Bloomsburg University and the academic units<sup>a</sup> of The Pennsylvania State University offering engineering degrees agree to establish a dual degree program in liberal arts and sciences and engineering. A participating student will spend three years or the equivalent at Bloomsburg University for the study of liberal arts and sciences subjects along with available pre-engineering courses. Upon satisfactory completion of the first three years, the student will enter The Pennsylvania State University (hereinafter referred to as “Penn State”) and complete remaining prerequisite courses and the engineering major degree requirements<sup>b</sup>. A successful completion of required course work will lead to an appropriate baccalaureate degree from each institution. The dual degree program is being created in an effort to fulfill the following objectives:

- i. To cooperatively provide a general education in liberal arts and sciences, as well as engineering education for each student enrolled, so that depending on the majors and completion of required courses, a student may complete in approximately five years what otherwise could require six or more years.
- ii. To provide a student who has not yet decided between engineering and other disciplines, additional time to make that decision while the student studies both arts and sciences during the first three years at Bloomsburg University.
- iii. To enable Penn State to attract a more diverse population to its engineering programs.
- iv. To enable qualified students to receive both a liberal and technical education and, in so doing, provide the Commonwealth and the Nation with more broadly educated engineers.

## PROCEDURES

### A. Admissions Requirements

1. Application for admission to the program will be made to Bloomsburg University, where the candidate will be subject to the admission requirements of that institution. Only students admitted to Bloomsburg University as first-semester (freshmen) students may participate in this dual degree program. An individual who has been registered as a degree candidate and established a degree candidate record at Penn State prior to entering the dual degree program at Bloomsburg University will be considered a re-enrollment candidate and must meet the criteria for re-enrollment in the major at Penn State and not as a participant of the dual degree program.
2. A student will indicate the desire to follow the dual degree program either at the time of the student's admission to Bloomsburg University, or early enough in the student's program to permit the student to complete as many of the suggested prerequisite and other courses, listed in the Appendix of this contract, as possible. Results from aptitude and achievement tests, records of scholastic achievement, and other pertinent information will be exchanged between institutions to aid both in guiding and in counseling students and prospective students. Penn State will provide Bloomsburg University with links to curriculum planning guides, used by advisers at Penn State for each major.

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<sup>a</sup> At the writing of this Agreement, the participating Penn State Academic units include the Altoona College, the Behrend College, the Berks College, the Capital College, the College of Earth and Mineral Sciences, and the College of Engineering.

<sup>b</sup> Time to degree typically requires 2 years at Penn State but could be longer depending on the courses completed at Bloomsburg University.

Bloomsburg University is responsible for informing students in the dual degree program of the requirements for admission to Penn State, as described in this document and for providing each student with a copy of this contract, including the Appendix. Students should also be made aware of the courses that are available at Bloomsburg University that can be used to meet degree requirements for each of the majors that are part of this agreement.

Students should be advised by Bloomsburg University that some federal and state financial aid may be limited for undergraduate students who exceed four years of study. Students may, however, be eligible for merit-based scholarships.

3. With some specific exceptions<sup>c</sup>, all Penn State Bachelor of Science degree programs in engineering at any Penn State campus are available to students participating in the dual degree program, unless the major at the selected location is under administrative enrollment control. Major/campus combinations that are under enrollment control at the time the student begins their studies at Bloomsburg University are excluded and are not available under this dual degree agreement to students transferring to Penn State. Majors available at multiple Penn State campuses are available through this agreement for locations where the major is not under administrative enrollment control. Bloomsburg University will be informed each year during the spring semester of any major/campus combination that will be coming under enrollment control and the exclusion of that major/campus combination from the dual degree program. The exclusion will apply to all students who have not yet started at Bloomsburg University or who are already enrolled at Bloomsburg University but have not formally declared intention to pursue a Penn State major/campus combination which subsequently was put under Penn State enrollment control during the student's enrollment at Bloomsburg University. Penn State will also notify Bloomsburg University whenever a major/campus combination will cease to be under enrollment control and become available for the dual degree program. Bloomsburg University is responsible for notifying its students of any changes in availability of majors and any changes in recommended courses.

At the writing of this Agreement the following engineering majors are available:

The Altoona College (Altoona Campus): Mechanical Engineering, Rail Transportation Engineering

The Behrend College (Erie Campus): Computer Engineering, Electrical Engineering, Industrial Engineering, Mechanical Engineering, Polymer Engineering and Science, Software Engineering

The Berks College (Berks Campus): Mechanical Engineering

The Capital College (Harrisburg Campus): Civil Engineering, Electrical Engineering, Mechanical Engineering

The College of Earth and Mineral Sciences (University Park Campus): Energy Engineering, Materials Science and Engineering, Mining Engineering

The College of Engineering (Abington and Great Valley campuses) – Engineering (GE\_BS) – Multidisciplinary Engineering Design Option.

The College of Engineering (Brandywine and Great Valley campuses) – Engineering (GE\_BS) – Multidisciplinary Engineering Design Option.

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<sup>c</sup> Excluded from this agreement are Architectural Engineering, Computer Science, Electro-Mechanical Engineering Technology, Environmental Systems Engineering, and any Penn State engineering programs under administrative enrollment control at the time of transfer to Penn State.

The College of Engineering (Dubois Campus): Engineering (GE\_BS) – Applied Materials Option

The College of Engineering (Hazleton Campus): Engineering (GE\_BS) – Alternative Energy and Power Generation.

The College of Engineering (Scranton Campus): Mechanical Engineering (MEENG\_BS)

The College of Engineering (University Park Campus): Biological Engineering, Civil Engineering, Electrical Engineering, Engineering Science, Nuclear Engineering

The College of Engineering (Wilkes-Barre campus) – Survey Engineering

4. At the end of the first (Fall) semester of the third year, a student becomes a candidate for transfer for any of the available majors if the student is free of academic probation and has attained a cumulative grade point average of 3.00<sup>d</sup> (on a 4.00 scale) or greater and has completed the entrance to major course requirements indicated on the Penn State Bulletin ([bulletins.psu.edu](http://bulletins.psu.edu)) for their intended Penn State major<sup>e</sup>. This includes all required courses and any course or major related GPA requirements. These Entrance to Major requirements can be found on the individual program page under the 'How to Get In' link.

For the purposes of admission to Penn State, the candidate's GPA is determined by a calculation that includes and completed courses at Bloomsburg University. However, Bloomsburg University may require higher academic standards for transfer under this agreement.

5. The student should submit an application (available on the Web) to the Undergraduate Admissions Office of The Pennsylvania State University, typically after the Fall of the student's third year at Bloomsburg University. The application should clearly indicate that the student is applying as a dual degree student. The completed application should be submitted no later than February 1<sup>st</sup> and must be supported by the following documents:
  - a) Final high school record (only if student graduated high school outside the US).
  - b) AP and IB scores
  - c) Official Bloomsburg University transcript, including all grades earned through the Fall Semester or Term of the third year
  - d) Transcripts from any college credits earned through other pathways such as high school dual enrollment
  - e) Schedule of courses for the Spring of the third year

The application and supporting documents will be evaluated by the appropriate officer in the Admissions Office and the respective Dean or Chancellor's Office at Penn State. If the applicant meets the entrance requirements, the applicant will be offered conditional transfer admission to Penn State in the dual degree program, commencing with the following summer session or fall semester.

At the completion of the third year, the final official transcript of work taken at Bloomsburg University should be forwarded to the Undergraduate Admissions Office. The applicant's

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<sup>d</sup> Students may enter Engineering (GE\_BS, all Options) in the College of Engineering or any major included in this agreement from the College of Earth and Mineral Sciences with a minimum cumulative grade point average of 2.75.

<sup>e</sup> EDSGN 100 is an Entrance requirement for College of Engineering majors but has no direct Bloomsburg University equivalent. Students who meet all other entrance requirements will be admitted to their requested College of Engineering major and will complete EDSGN 100 during their first semester at Penn State.

admission to Penn State will be changed from a conditional basis to a permanent basis if the student has maintained the minimum cumulative grade point average required for transfer, is in good standing at Bloomsburg University, and has fulfilled all conditions, if any, specified in the student's conditional transfer admission.

6. The student will be placed in the major in which provisional admission was offered, provided all entrance conditions are met. Under normal circumstances, failure to meet the conditions of conditional transfer admission will result in the voiding of the offer of admission for the student and in their ineligibility to participate in the dual degree program.
7. Upon completion of the Penn State degree requirements, the student is responsible for requesting a Penn State transcript to be sent to Bloomsburg University for use in fulfilling the Bloomsburg University degree requirements.

## B. Evaluation of Transfer Credits

Bloomsburg University courses, completed with grades of C (2.0) or higher, will be added to the student's Penn State academic transcript by the Undergraduate Admissions Office.

Transferability of courses not specified in the Penn State transfer credit database will be reviewed by Penn State on a case-by-case basis and according to the evaluations maintained by Undergraduate Admissions transfer equivalency tables.

Courses/credits earned through Advanced Placement (AP), College-Level Examination Program (CLEP), or other testing programs will be evaluated according to Penn State's established criteria.

Credit evaluation for other prior learning activity, i.e., military educational experience and credit by portfolio will be assessed according to Penn State policy and through the process established by Penn State.

## C. Academic Advising

The suggested and available exposure to mathematics, science, engineering science, computer, liberal arts, and communications courses at Bloomsburg University is illustrated in the Appendix. The only required courses for entrance to an engineering major are those listed in the Penn State Bulletin. However, it is in the student's best interest to complete as many of the suggested courses for their intended engineering major as possible at Bloomsburg University so that they can complete the degree requirements at Penn State in the most timely manner. Course numbers and descriptions may change by the actions of the Bloomsburg University faculty or Penn State faculty. In such cases, only the Appendix would need to be amended. Bloomsburg University will receive regular updates about changes at Penn State and will be expected to regularly inform Penn State of changes at Bloomsburg University, as they relate to the dual degree program.

The student's preparedness for engineering courses will be assessed by his/her major department and will be based on the courses taken at Bloomsburg University. If the student has not taken all the possible recommended courses at Bloomsburg University, it is very likely that more than two years (4 semesters) will be required to complete the Penn State degree requirements. The need to take missing requirements and the effect this may have on the student's graduation date will be determined by the student's major department at Penn State.

#### D. Term of Effect/Relationship details

At the end of the Dual Degree Program, after completing the academic degree requirements of both institutions, the student shall be awarded the appropriate degree from Bloomsburg University and the Bachelor of Science Degree from The Pennsylvania State University.

This agreement will expire on May 31, 2027. At that time, a new agreement may be negotiated if both parties express their interest in so doing. A lack of response to requests for information or absence of adequate participation in the program may result in termination of the agreement through written notification initiated by either party.

Penn State will honor the terms of this agreement for students who were admitted to Bloomsburg University as first semester students for Fall 2027 or earlier. Students who begin at Bloomsburg University after Fall 2027 will not be able to participate in the dual degree program unless a new agreement is in place and if so, will be subject to the terms of the new agreement.

The relationship between the parties to this Agreement to each other is that of independent contractors.

Neither of the parties shall assume any liabilities of each other.

This Agreement represents the entire understanding between the parties. This Agreement shall only be modified in writing with the same formality as the original Agreement.

The laws of the Commonwealth of Pennsylvania shall govern this Agreement.

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Dr. Bashar W. Hanna, President Bloomsburg University	Date
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Dr. Diana Rogers-Adkinson, Provost Bloomsburg University	Date
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PASSHE Legal Counsel Bloomsburg University	Date
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 Peter M. Hopsicker, PhD., Associate Dean for Academic Affairs Penn State University, Altoona College	1/16/2022 Date
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*Pamela Silver*

1/27/2022

Pamela Silver, Ph.D., Associate Dean for Academic Affairs  
Penn State University, Behrend College

Date

*George Grant Jr*

1/20/2022

Dr. George Grant Jr., Chancellor  
Penn State University, Berks College

Date

*O. Ansary*

1/25/2022

Omid Ansary, Ph.D.,  
Sr. Associate Dean for Academic Affairs and Administration  
Penn State University, Capital College

Date

*Lee Kump*

1/25/2022

Dr. Lee Kump, John Leone Dean  
Penn State University, College of Earth and Mineral Sciences

Date

*Justin Schwartz*

1/18/2022

Dr. Justin Schwartz, Harold and Inge Marcus Dean  
Penn State University, College of Engineering

Date

*Yvonne Gaudelius*

1/28/2022

Dr. Yvonne Gaudelius, Vice President and Dean for Undergraduate Education  
Penn State University

Date

*Kelly Austin*

1/28/2022

Dr. Kelly Austin, Vice President for Commonwealth Campuses  
Penn State University

Date

Effective date of agreement (date of the last signature): \_\_\_\_\_

## APPENDIX

Table of select equivalencies between Penn State courses and Bloomsburg University courses is provided here. Full Penn State-Bloomsburg University course equivalencies can be found using the Penn State course equivalency website.

### Directly Equivalent Core Courses

<b>Penn State Course designation</b>	<b>Penn State Course name</b>	<b>Bloomsburg University Course</b>	<b>Bloomsburg Course Title</b>
CAS 100	Effective Speech	COMM 103	Public Speaking
CHEM 110, CHEM 111	Chem Princ I, Exper Chem I	CHEM 115	Chem for Sciences 1
CHEM 112/CHEM 113	Chem Princ II, Exper Chem II	CHEM 116	Chem for Sciences 2
CHEM 210/212/213	Organic Chem I, II & Lab	CHEM 231 + CHEM 232	Organic Chem I + II
EMCH 211	Statics	PHYS 301	Mechanics: Statics
EMCH 212	Dynamics	PHYS 302	Mechanics: Dynamics
ENGL 15	Rhetoric and Comp	ENGL 101	Comp I/Found Wrtnng
ENGL 202C	Technical Writing	INTS 231	Technical Writing
GEOG 10	Intro Phys Geog	EGGS 101	Intro to Physical Geog
MATH 140	Calc Anly Geom I	MATH 125	Calculus I
MATH 141	Calc Anly Geom II	MATH 126-4 cr	Calculus II
MATH 220	Matrices	MATH 314	Linear Algebra
MATH 230	Calc/Vector Anly	MATH 225-4 cr	Calculus III
MATH 250	Ord Diff Equations	MATH 322	Diff Equations
PHYS 211	Mechanics	PHYS 211	Mechanics/Gen Physics I
PHYS 212	Elect. and Mag.	PHYS 212	Elect & Magnetism/Gen Phys II
PHYS 237	Intro Modern Phys	PHYS 310	Modern Atomic Phys

### Courses with no direct Penn State equivalent\*

<b>Penn State Course designation</b>	<b>Penn State Course name</b>	<b>Bloomsburg University Course</b>	<b>Bloomsburg Course Title</b>
CMPSC XFR100	CMPSC general 100 level	COMP 115	Python Programming
		COMP 121	Obj Orien Prg Java
		COMP 122	Graph Inrfc Java
		CPS 121	Computer Science I
		CPS 122	Computer Science II



EDSGN 100**	Intro to Engineering Design	no equivalent	
EGT XFR100	EGT general 100 level	ENGT 180	Cad Engrg Graphic
MATH 231	Calc of Several Variables	no equivalent	MATH 230 will fulfill MATH 231 requirement
PHYS XFR400	PHYS general 400 level	PHYS 316	Digital Electronic
		PHYS 422	Thermodynamics
STAT XFRGQ2	STAT general 200 level GQ	MATH 241	Prob & Statistics

\*Consult with your intended Penn State program about potential substitution

\*\*Students entering a major that requires EDSGN 100 will take that course during their first Penn State semester.