Articulation Agreement

Summary of Benefits:

- Guaranteed acceptance with a minimum G.P.A. of 2.5
- Tuition Reduction with minimum G.P.A. of 3.0
- Guaranteed transfer of credits of all courses with a C- or better
- Guaranteed benefits of the General Education Foundation STEM Block.
- Students transfer with Junior status with regard to financial aid and registration eligibility

CCCC: A.S. in Engineering Technology Program	Credit(s)	BSU: Photonics & Optical Engineering Program	Credit(s)
Semester 1=17 credits			
ENR 106: 3D Design and Analysis I	3	Free Elective	3
CHM 151: General Chemistry I	4	CHEM 141 General Chemistry I*	4
ENL 101: English Composition I	3	ENGL 101 Writing Rhetorically	3
MAT 240: Calculus I	4	MATH 161 Calculus I*	4
Humanities & Fine Arts Elective		Core requirement (STEM Block)	3
Semester 2=17 credits			
COM 103 Human Communication Suggested	3	COMM 102 Intro to Public Speaking (Core Req STEM Block)	3
Behavioral & Social Sciences	3	Core requirement (STEM Block)	3
ENL 102 English Composition II	3	ENGL 102 Writing Rhetorically w/Sources	3
MAT 240 Calculus II	4	MATH 162 Calculus II*	4
ENR 103 Introduction to Robotics	4	Free Elective	4
Semester 3 = 18 credits			
Behavioral & Social Sciences	3	Core requirement (STEM Block)	3
MAT 260 Calculus III	4	MATH 261 Calculus III*	4
PHY 211 University Physics I	4	PHYS 243 General Physics I*	4
ENR 110 Engineering & Scientific Computing	3	PHYS 422 Computer Simulations*	3
ENR 204 Circuit Theory I	4	Free Elective	4
Semester 4 = 17 or 18 credits			
PHY 212 University Physics II	4	PHYS 244 General Physics II*	4
MAT 270 Differential Equations	3	MATH 316 Differential Equations*	3
CHM 152 General Chemistry II	4	CHEM 142 General Chemistry II*	4
ENR 205 Circuit Theory II - or - ENR 207 Material Science	4 - or 3	PHOE Senior Elective*	3
Humanities & Fine Arts Elective (Suggest PHI 131 Logic)	3	PHIL 111 Foundations of Logical Reasoning (STEM Block)	3
TotalCredits	**69 or 70**	**Total Credits**	**69**

*Courses required within the B.S. Photonics Optical Engineering at BSU.

General Education Foundation STEM Block:

Benefits for students who complete approved associate degrees under General Education Foundation STEM Block are:

Minimum Fina(GPA	Benefits
2.0 GPA	No admission fee or essay; Guaranteed, full transfer of credits applied to the bachelor's degree (including D - 1.0 grades); and Automatic satisfaction of the general education requirements at the receiving institution, with the receiving institution able to add no more than twelve additional credits/four courses, if admitted.
2.5 GPA	All of the above benefits, plus guaranteed admission
3.0 GPA	All of the above benefits, plus a 100% tuition waiver

Note: If the student changes his or her major or if the linked baccalaureate program requires a higher-grade point average or specific courses which are required of native students, the STEM Foundational Block student must meet these requirements. If because of space or fiscal limitations the receiving institution does not admit all qualified applicants to a given major or program, the receiving institution will use the same criteria for STEM applicants as it does for its native students.

In keeping with the General Education Foundation STEM Block:

- As a participant in the *MassTransfer* Program, the Bridgewater State University application fee is waived when students complete the BSU online application.
- Developmental courses and courses with D- will not transfer.
- All **STEM Block** requirements must be met prior to enrollment at Bridgewater State University.
- The grade "D" will be accepted toward the Baccalaureate Degree but will be credited toward the major only if a "D" grade will count for native students who began at BSU.
- If the student maintains a 3.0 GPA for the first year at the transfer institution, he or she will receive 100% tuition waiver for the second year of attendance (4 consecutive semesters).

Please note some of these courses may overlap with major requirements.

Credits	Subject Areas
6	Behavioral and social sciences
6	Humanities and fine arts
7	Natural or physical science
6	English composition/writing
3	Mathematics/quantitative reasoning

Courses to be completed at BSU

Semester 5--Credits = 18		
PHOE 301	Foundations of Photonics and Optical Engineering	4
PHOE 330	Fiber Optic Communications	4
PHYS 416	Modern Theory	3
PHYS 438	Electricity and Magnetism	4
STEM Block Requirement	One course in Humanities, Social Science, Logical Reasoning or Spoken Communication	3

Semester 6--Credits = 15		
PHOE 323	Optical Engineering	4
PHOE 450	PIC Design	3
PHOE 342	Digital Devices	4
PHYS 211	Machine Shop	1
STEM Block Requirement	One course in Humanities, Social Science, Logical Reasoning or Spoken Communication	3

Semester 7--Credits = 15		
PHOE 455	Advanced Optics	3
PHOE 403	Semiconductor Devices	3
PHOE 483	Senior Design I	3
PHOE ---	Senior PHOE Elective	3
STEM Block Requirement	One course in Humanities. Social Science, Logical Reasoning or Spoken Communication	3

Semester 8--Credits = 14		
PHOE ---	Senior PHOE Elective	4
PHOE 484	Senior Design II	3
PHOE 420	Laser Engineering	4
STEM Block Requirement	One course in Humanities. Social Science, Logical Reasoning or Spoken Communication	3