

**HARRISBURG AREA COMMUNITY COLLEGE (HACC) & SHIPPENSBURG UNIVERSITY (SHIP)
TRANSFER GUIDE FOR MATHEMATICS A.S. (#4076) AT HACC
TO MATHEMATICS B.S. (APPLIED MATH, SECONDARY EDUCATION, SPECIAL EDUCATION,
STATISTICS, OR NO CONCENTRATION) AT SHIPPENSBURG UNIVERSITY**

HACC COURSE	CRS.	SHIPPENSBURG UNIV. EQUIV. COURSE /AREA SATISFIED	CRS.
General Education Requirements (29 credits)			
ENGL 101 English Composition I	3	ENG 114 Academic Writing ^W	3
ENGL 102 English Composition II	3	GEN 028 Gen Ed Trans Crtvty&Expr-Lit ^L	3
COMM 101 Effective Speaking	3	HCS 100 Intro to Human Communication ^O	3
H&A (choose one): ART 181, ART 182, HUM 101, MUS 104, or THTR 101	3	Gen Ed: Arts ^A	3
MATH: MATH 121 Calculus I	4	MAT 211 Calculus I/Required ^Q	4
Core C Math: MATH 122 Calculus II	4	MAT 212 Calculus II/Required	4
Core C Science: PHYS 211 Physics for Engineers I	4	PHY 205 Intermediate Physics I ^N	4
S&BS: PSYC 101 or SOCI 205	3	Gen Ed: Diversity ^D	3
First-Year Seminar Elective	1	Free Elective	1
Physical Education & Wellness	1	Free Elective	1
Major Requirements (14 credits)			
CPS 121 JAVA Programming	3	Transfer Elective (Exception for Math B.S. Computer Science requirement approved)	3
MATH 125 Discrete Mathematics	3	MAT 225 Discrete Mathematics/Required ^R	3
MATH 221 Calculus III	4	MAT 213 Calculus III/Required	4
MATH 220 Linear Algebra	4	MAT 318 Elem. Linear Algebra/Required	4
Transfer Electives (17 credits)			
MATH 222 Differential Equations	4	MAT 322 Differential Equations/Recommended for Applied Mathematics ONLY	
HIST 101 or HIST 201	3	HIS 105 Hist Foundations Global Cultures ^H	3
Core C Science in 2 nd Discipline	3	Gen Ed: Natural World ^N	3
ANTH 201, ECON 201, GEOG 201, GP 205, HIST 102, or 202	3	Gen Ed: Global Perspectives ^G	3
2 nd Course from Above in 2 nd Discipline or Any Foreign Language Course	3	Gen Ed: Global Perspectives ^G or Foreign Language ^F	3
ENVS 201, GP 201, HIST 103 or HIST 104	3	Gen Ed: Citizenship ^S	3
PROGRAM TOTAL CREDITS	60	TRANSFERRABLE TOTAL CREDITS	60

Overview of Shippensburg University's General Education Program

The General Education Program at Shippensburg University comprises 45 of the credit hours required for graduation. It consists of 5 themes with 2-3 required course goals in each theme

-Foundations: 15 credits (3 credit first-year seminar not currently required for transfer students)

- Writing^W, Oral Communication^O, History^H, Quantitative^Q

-Interconnections: 9 credits required from 3 goals with at least 3 credits required in Diversity and 3 credits in Global Perspectives

- Diversity^D, Global Perspectives^G, Foreign Language^F

-Citizenship & Responsibility: 6 credits required with no more than 1 course from the same goal category

- Citizenship^S, Ethical Reasoning^E, Critical Reasoning^R

-Natural World & Technology: 9 credits required with at least 6 credits completed in the Natural World category

- Natural World^N, Technology^T

-Creativity & Expression: 6 credits required with at least 3 credits required in the Literature category

- Literature^L, Arts^A, Creative^C

-OVER-

HARRISBURG AREA COMMUNITY COLLEGE & SHIPPENSBURG UNIVERSITY TRANSFER GUIDE FOR MATHEMATICS

NOTES (IMPORTANT – PLEASE READ)

1. Additional transfer credits may be taken at HACC for transfer to Shippensburg. Please speak with your advisor and/or the SU transfer advisor for advisement on additional coursework.
2. 0-Level courses **do not** count toward graduation requirements and **will not transfer**.
3. Courses for Shippensburg University have been selected by joint agreement of HACC and SU. However, curricula are subject to change. This guide should be used with the assistance of a HACC Counselor/Advisor. Please speak with your advisor and/or the SU transfer advisor if you have any questions.
4. A 2.0 cumulative GPA is required for entry into the major while a 3.0 is required for entry as a Math Education or a Math Special Education major.
5. **FOR MATH EDUCATION MAJORS ONLY**
 - 5.1. PDE accepts test scores from 4 different test providers to meet the PA General Assembly's basic academic skills requirement. All three basic skills (reading, writing, and math) tests must be passed at least once. **This requirement must be met before any candidate can be granted admission to their teacher preparation program of choice.** This can be met through the following tests: Pennsylvania Pre-Service Academic Assessment, Praxis Core Test Series, SAT, or the ACT:
https://www.ship.edu/globalassets/coehs/field_experience/basic_skills_requirements_explanation_2019.pdf
For more information refer to the *Teacher Certification Test Requirements* at https://www.ship.edu/coehs/field-services/office_of_field_services/

Pennsylvania state law mandates that students have copies of clearances on file in the Teacher Education Department at Shippensburg University. You must complete these clearances PRIOR to starting early childhood classes at SHIP. Even if you already have clearances, you need to apply for a new set at this point. You will be directed to submit this documentation at the beginning of the semester. Below are the six clearances you will need:

1. TB Results (PPD Mantoux test) – valid for two years from date of test. Available through Etter Health Center. See schedule at http://www.ship.edu/COEHS/Field_Services/Clearance_Information/. This can also be done through a private physician.
2. Act 34 Criminal History Check – Act 34 is valid for one year from date on clearance. (Register at <https://epatch.state.pa.us>)
3. Act 151 Child Abuse Clearance – Act 151 is valid for one year from date on clearance. (Form available at <https://www.compass.state.pa.us/cwis/public/home>).
4. Act 114 FBI Clearance – Act 114 is valid as long as a student is continuously enrolled as a student at Shippensburg University. (Register at <https://uenroll.identogo.com/>).
5. Professional Liability Insurance – Student membership in PSEA (<http://www.PSEA.org>) or KEYTA (<http://keyta.org>) provides this insurance but membership is not mandatory. Insurance is mandatory.
6. Act 24 Arrest/Conviction Report -must be signed each year. Form is available online at http://www.ship.edu/globalassets/coehs/act_24_and_act_82_arrest_and_conviction_report_form.pdf or in the Office of Field Experiences and Partnerships – Shippen Hall – Rm 354.

FOR FURTHER INFORMATION CONTACT

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