

## Kellogg Community College Transfer Credit Guide — Physics

### The Basics:

Students must complete a minimum of 32 units (128 credit hours) of course work to graduate with a degree from Albion. **An Albion unit is equivalent to four semester hours**; all classes taken at Albion College are 1 unit unless otherwise denoted.

Students transferring from two-year institutions may present a **maximum** of 16 units (64 credit hours) to transfer towards their Bachelor's Degree. Course work assigned a passing grade equal to or above 2.0 (C or better) on a 4.0 scale may be recognized in transfer. Transfer credits are recorded with a grade of T and are not included in grade point average computations at Albion. Courses in which a grade of CR (credit) was earned are not transferrable.

**Please note that this is not a comprehensive list of transferrable courses from Kellogg Community College and all transcripts will be reviewed on an individual basis.**

### Liberal Arts Core Curriculum:

Our Core Curriculum is split into 3 sections (Modes of Inquiry, Category, & Divisional Requirements). **Completion of the Michigan Transfer Agreement (MTA) will cover all Mode Requirements.**

#### 1. Modes of Inquiry

Students are required to take 1 course in all five Modes.

Modes	Transferrable Units	KCC Equivalent Courses
Artistic Creation & Analysis	1	*Art 245 + 246*
Historical & Cultural Analysis	0.75	ANTH 200, HIST 103, MUSI 211
Textual Analysis	0.75	LITE 211, LITE 222, PHIL 202
	1	*MUSI 233 + MUSI 236*
Modeling & Analysis	0.75	ECON 202, MATH 130, PSYC 201, SOCI 201
	1	MATH 241, CHEM 201
	1.25	MATH 141, MATH 142
Scientific Analysis	1	CHEM 100, CHEM 110, CHEM 202, PHYS 201, PHYS 202
	1.25	PHYS 221, PHYS 222

\*Both courses must be taken in order to fulfill requirement\*

#### 2. Category Requirements

Four Requirements: Environmental, Ethnicity, Gender, & Global Studies Courses. These are typically required to be taken at Albion College, but students can petition to the Registrar's Office in order to have a course count as a Category Requirement.

#### 3. Divisional Requirements

Students must complete a distribution indicated below. **Courses taken for Major, Minor, Modes, and Category Requirements can also be used to complete divisional requirements.** 1 Course in Fine Arts; 2 Courses in Humanities; 2 Courses in Natural Sciences; 2 Courses in Social Sciences

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### Physics Major Requirements:

9.5 Required Units

Degree: Bachelor of Arts

Physics Major Requirements	Transferable Units	KCC Equivalent Courses
PHYS 167: Analytical Physics I	VARIES	PHYS 201/ PHYS 221
PHYS 168: Analytical Physics II	VARIES	PHYS 202/PHYS 222
PHYS 191: Colloquium in Physics and Astronomy I (.25 Unit)		
PHYS 243: Introduction to Mathematical Methods in Physics I (.5 Unit)		
PHYS 244: Introduction to Mathematical Methods in Physics II (.5 Unit)		
PHYS 245: Electronics		
PHYS 250: Introductory Modern Physics		
PHYS 291: Colloquium in Physics and Astronomy II (.25 Unit)		
PHYS 325: Theoretical Mechanics		
PHYS 336: Electricity and Magnetism		
PHYS 350: Advanced Laboratory		
Additional Requirements	Transferable Units	KCC Equivalent Courses
MATH 141: Calculus of a Single Variable I	1.25	MATH 141
MATH 143: Calculus of a Single Variable II	1.25	MATH 142
MATH 245: Multivariable Calculus	1	MATH 241
MATH 247: Differential Equations and Linear Algebra	1	MATH 242

### Admission Requirements:

Students are considered for admission based primarily on previous academic performance. We evaluate the following:

- College Transcripts: Your course load will be evaluated and must be at least a 2.5 cumulative GPA
- High School Transcripts\*\*
- SAT or ACT scores\*\*

\*\*Only required if you haven't completed two full years of academic course work\*\*

### Additional Transfer Contacts:

1. Office of the Registrar — [registrar@albion.edu](mailto:registrar@albion.edu) — 517-629-0216
2. Information regarding Credit Evaluation: Erik Achenbach, Associate Registrar — [eachenbach@albion.edu](mailto:eachenbach@albion.edu) — 517-629-0477
3. Office of Admission — 517-629-0321

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