

Associate of Arts to Bachelor of Arts in Physics

Kent State University's B.A. in Physics is Offered On-Ground at the Kent Campus

| SUGGESTED SEQUENCE AT CUYAHOGA COMMUNITY COLLEGE | | |
|---|------------|---|
| Semester One | 16 Credits | KSU Equivalent |
| ENG 1010 College Composition I or ENG 101 H (Honors) | 3 | ENG 11011 College Writing I (KCP1) |
| TAG Beginning I Foreign Language | 4 | Elementary I Foreign Language |
| OT36 Social & Behavioral Science* | 3 | Kent Core Social Science (KSS) |
| OT36 Arts and Humanities ** | 3 | Kent Core Humanities/ Kent Core Fine Arts (KHUM/KFA) |
| MATH 1540 Trigonometry | 3 | MATH 11022 (KMCR) |
| Semester Two | 15 Credits | KSU Equivalent |
| ENG 1020 /102H College Composition II^ or ENG 2151 Technical Writing | 3 | ENG 21011 (KCP2) or ENG 20002 (KCP2) |
| TAG Beginning II Foreign Language | 4 | Elementary II Foreign Language |
| MATH 1610 Calculus I (Fulfills OT36 General Education Elective) | 5 | MATH 12002 (KMCR) |
| OT36 Fine Arts or Humanities ** | 3 | Kent Core Humanities/ Kent Core Fine Arts (KHUM/KFA)*** |
| Semester Three | 16 Credits | KSU Equivalent |
| COMM 1010 Fundamentals of Speech or COMM 201 H (Honors) | 3 | COMM 15000 (KADL) |
| MATH 1620 Calculus II (Fulfills OT36 General Education Elective) | 5 | MATH 12003 (KMCR) |
| PHYS 2310 General Physics I (Fulfills OT36 Natural and Physical Sciences) | 5 | PHY 23101 (KBS, KLAB) |
| TAG Intermediate I Foreign Language | 3 | Intermediate I Foreign Language |
| Semester Four | 14 Credits | KSU Equivalent |
| PHYS 2320 General Physics II (Fulfills OT36 Natural and Physical Sciences) | 5 | PHY 23102 (KBS, KLAB) |
| OT36 Fine Arts or Humanities ** | 3 | Kent Core Humanities/ Kent Core Fine Arts (KHUM/KFA)*** |
| OT36 Social & Behavioral Science | 3 | Kent Core Social Science (KSS) |
| TAG Intermediate II Foreign Language | 3 | Intermediate II Foreign Language |
| 61 TOTAL CREDIT HOURS TO COMPLETE AA FROM CUYAHOGA COMMUNITY COLLEGE | | |

Course sequence may change based on the individual needs of the student and schedule type required.

New college students may be required during their first semester to participate in GEN 1070, First Year Success Seminar, a one credit hour course. See a Tri-C Counselor for details.

* Kent Core Social Science courses must be from two disciplines.

** Minimum one course must be selected from the Humanities in Arts and Sciences area, and minimum one course must be selected from the Fine Arts area. Please consult the [Transfer Credit Guide](#).

^ ENG 1020 /102H College Composition II is recommended in preparation for Writing Intensive Course (WIC).

SUGGESTED SEQUENCE AT KENT STATE UNIVERSITY

| Semester Five | 14 Credits |
|--|------------|
| PHY 12000 Introductory Physics Seminar (ELR) | 1 |
| MATH 32051 Math Methods in Physical Sciences I | 4 |
| Upper-Division General Electives (if needed to reach 39 UD hours) | 3 |
| General Elective (if needed to reach 120 total hours) @ | 3 |
| Kent Core Additional (KADL) | 3 |
| Semester Six | 15 Credits |
| MATH 32052 Math Methods in Physical Sciences II | 4 |
| PHY 36001 Introductory Modern Physics | 3 |
| Physics (PHY) Upper-Division Electives | 5 |
| General Elective (if needed to reach 120 total hours) @ | 3 |
| Semester Seven | 16 Credits |
| PHY 30020 Intermediate Physics Lab (WIC) | 2 |
| PHY 35101 Classical Mechanics | 4 |
| PHY 36002 Applications of Modern Physics | 3 |
| PHY 45201 Electromagnetic Theory | 4 |
| General Elective (if needed to reach 120 total hours) @ | 3 |
| Semester Eight | 14 Credits |
| PHY 40020 Advanced Physics Lab (WIC) (Minimum C Grade) | 2 |
| Physics (PHY) Upper-Division Electives | 3 |
| General Electives (if needed to reach 120 total hours) @ | 9 |
| 120 TOTAL CREDIT HOURS TO COMPLETE BA FROM KSU, INCLUDING TRANSFER COURSEWORK | |

@ Course may be taken at Cuyahoga Community College and transferred to Kent State. However, please be aware of [Kent State's residence policy](#). Once an associate degree is earned, additional courses taken at Tri-C may not be eligible for financial aid. Please see Financial Aid for details.

^^ Please see [Foreign Language College Requirement, B.A. in the University Catalog](#).

The following courses may not count towards the Physics major requirements:

PHY 11030 Seven Ideas That Shook the Universe (KBS)

PHY 21040 Physics in Entertainment and The Arts (KBS)

PHY 21041 Physics in Entertainment and The Arts Laboratory (KBS) (KLAB)

PHY 21430 Frontiers in Astronomy (KBS)

PHY 21431 Frontiers in Astronomy Laboratory (KBS) (KLAB)

Graduation Requirements

Requirements to graduate with the BA degree program: To graduate, students must have minimum 120 credit hours, 39 upper-division credits hours of coursework, a minimum 2.000 major GPA and minimum 2.000 cumulative GPA. They must also fulfill an approved experiential learning experience, a two-course diversity requirement (domestic and global), complete a writing intensive course with a minimum C (2.000) grade. Please be aware of Kent State's residence policy, which can be found in the Kent State University Catalog. More specific graduation requirement information can be found in the Academic Policies section of the Kent State University Catalog (www.kent.edu/catalog).

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It is recommended that students intending to pursue the Bachelor of Arts in Physics through Kent State University consult with academic advisors at both Cuyahoga Community College and Kent State University.

Contact Information:

Cuyahoga Community College

Campus Counseling Center

www.tri-c.edu/counseling-center

Kent State University

Academic Partnerships

330-672-7341

pathways@kent.edu

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