

Advising Worksheet
Catalog Year 2025-2026
Liberal Arts & Sciences – Self Design/Nanotechnology Option
A.A Degree 61-63 Credits

Spring 1

Course ID	Course Name	Credits	Prerequisites & Course information
FYE101	First Year Experience	1	
ENG110	English Composition I	3	ENG020 or by placement <i>Gen Ed Requirement</i>
CIT 100	Microcomputer or higher	3	
Cultural Awareness and Global Perspectives Elective	Select from list	3	See list; Per Individual Course
Elective	Open	3	
	Total Credits	16/17	

Fall I

ENG 204	Professional Writing	3	
CHM120	General Chemistry	4	
Humanities/Social Science Elective	Select from list	3	See list; Per Individual Course
MAT145	College Algebra	3	Placement
Humanities	Select from list	3	
	Total Credits	15	

Spring II

BIO102	Life Science	3	See list; Per Individual Course
Value and Ethics Elective	Select from list	3	See list; Per Individual Course
PHY102/103	Concepts of Physics with Lab	3/1	
COM101	Public Speaking	3	
Social Science	Select from list	3	See list; Per Individual Course
	Total Credits	15/16	

Summer II (Courses taken at Penn State University Main Campus in State College, upon acceptance)

ELT220	Material, Safety, and Equipment Overview	3	
ELT221	Basic Nanofabrication Processes	3	
ELT222	Materials in Nanotechnology	3	
ELT223	Lithography for Nanofabrication	3	
ELT224	Materials Modification in Nanofabrication	3	
	Total Credits	18	

Minimum credits to earn an A.A. Degree: 61-63

Eligibility Requirements for the program include:

- Have a history of course completion.
- Demonstrate maturity.
- Have good interpersonal skills.
- Have no history of disciplinary problems.
- Work well with others.
- Have shown a genuine interest in the NMT field and be registered as a nanofabrication student.
- Complete the required prerequisites.
- Have a minimum 2.5 GPA.
- Obtain a recommendation from the program lead

To be accepted into the PSU Nanotechnology capstone program, students must:

- Contact the Program Coordinator, Prof. Sherri Slavick, for program application instructions and information sslavick@pennhighlands.edu.
- Apply to Penn State and provide the necessary documentation, including a letter of reference.
- If accepted, students must provide acceptance letter to the Registrar for course scheduling.
- Pay the required tuition, fees, and materials for the program. Costs will include room and board for the semester at Penn State Main Campus, a program fee of \$2,500, Penn Highlands' tuition and fees, books, and materials.

Students may contact the Penn State University NMT program directly for more information and the application: Sue Barger, Administrative Support Coordinator, 814.865.9635, sbarger@engr.psu.edu.

Values and Ethics Electives

Students must select one course to meet the Value and Ethics requirement. The selected course may not meet any other program or general education requirement.

CIV 100 – Western Civilization: Ancient through Renaissance*
 CIV 110 – Western Civilization: Renaissance to Present*
 CIV 200– Ancient Rome and the Barbarians
 GOV 100 – Introduction to American National Government*
 GOV 210 – Current Events and Contemporary Issues
 HIS 100 – U.S. History I: Discovery through Reconstruction*
 HIS 110 – U.S. History II: Reconstruction to Present*
 HIS 205 – American Popular Culture

HIS 210 – The Civil War and Reconstruction
 HIS 215- History Through Film
 HIS 250 – World War II through Film
 PHI 100 – Critical Thinking
 PHI 110 – Introduction to Philosophy*
 PHI 200 – Introduction to Ethics
 REL 100 – World Religions/Religious Studies

Social Science Electives

ANT 100 – Introduction to Cultural Anthropology*
 CIV 100 – Western Civilization: Ancient through Renaissance*
 CIV 110 – Western Civilization: Renaissance to Present*
 CIV 200 – Ancient Rome and the Barbarians
 CRJ 110 – Introduction to Criminal Justice
 ECO 100 – Macroeconomics*
 ECO 110 – Microeconomics*
 GEO 100 – Introduction to Geography
 GOV 100 – Introduction to American National Government*
 GOV 210 – Current Events and Contemporary Issues
 HIS 100 – U.S. History I: Discovery through Reconstruction*
 HIS 110 – U.S. History II: Reconstruction to Present*
 HIS 200 – History of American Immigration

HIS 205 – American Popular Culture
 HIS 210 – The Civil War and Reconstruction
 HIS 250 – World War II through Film
 PSY 100 – General Psychology*
 PSY 130 – Human Development Across the Lifespan*
 PSY 200 – Abnormal Psychology (PR: PSY 100)
 PSY 215 – Death and Dying (PR: ENG 110)
 SOC 100 – Introduction to Sociology*
 SOC 125 – Drugs in Society
 SOC 200 – Contemporary Social Issues* (PR: SOC 100)
 SOC 205 – Race, Class, and Gender in Society (PR: SOC 100)
 SWK 135 – Families in Society (re-prefix to SOC 135)

Cultural Awareness and Global Perspectives Electives

Students must select one course to meet the Cultural Awareness and Global Perspectives requirement. The selected course may not meet any other program or general education requirement.

ANT 100 – Introduction to Cultural Anthropology*
 ART 101 – Introduction to Art History*
 ART 105 – Drawing Fundamentals*
 ART 110 – Introduction to Painting and Sculpting*
 CIV 100 – Western Civilization: Ancient through Renaissance*
 CIV 110 – Western Civilization: Renaissance to Present*
 ENG 250 – Women in Literature (PR: ENG 110)
 ENG 271 – World Literature* (PR: ENG 110)
 FLM 110 – Introduction to American Cinema
 GEO 100 – Introduction to Geography

HIS 200 – History of American Immigration
 HUM 100 – Introduction to Humanities
 MUS 100 – Introduction to Music*
 MUS 200 – History of Rock n' Roll
 PSY 215 – Death and Dying (PR: ENG 110)
 REL 100 – World Religions/Religious Studies
 SOC 100 – Introduction to Sociology*
 SOC 200 – Contemporary Social Issues (PR: SOC 100)
 SOC 205 – Race, Class and Gender in Society (PR: SOC 100)

Humanities Electives

ART 101 – Introduction to Art History*
 ART 105 – Drawing Fundamentals*
 ART 110 – Introduction to Painting and Sculpting*
 ASL 101 – American Sign Language I
 ENG 200 – English Comp 2: Studies in Literature
 ENG 205 – Research Writing (PR: ENG 110)

ENG 215 – Creative Writing (PR: ENG 110)
 ENG 230 – Survey of American Literature I*
 ENG 235 – Survey of American Literature II*
 ENG 240 – Survey of British Literature I*
 ENG 245 – Survey of British Literature II*
 ENG 250 – Women and Literature

ENG 271 – World Literature*
FLM 110 – Introduction to American Cinema
FRE 101 – French I*
FRE 102 – French II* (PR: FRE 101)
HUM 100 – Introduction to Humanities
MPR 100 – Introduction to Production*
MUS 100 – Introduction to Music*
MUS 200 – History of Rock n’ Roll

PHI 100 – Critical Thinking
PHI 110 – Introduction to Philosophy*
PHI 200 – Introduction to Ethics*
REL 100 – World Religions/Religious Studies
REL 200 – Understanding the Bible
SPA 101 – Spanish I*
SPA 102 – Spanish II* (PR: SPA 101)

*Students who successfully complete these courses can have their credits transferred and counted towards graduation at any of the participating PA TRAC colleges and universities. Please be aware that certain majors may have specific requirements prescribed by external agencies. It is the student’s responsibility to work with an advisor and/or transfer counselor to select appropriate courses as they refer to the major. See Transfer Central on myPEAK under Advising for a full list of Transfer Counselors.

Key: PR – Pre-requisite; CR – Co-requisite

