

Required High School Courses and Sample Course Sequence for High School Graduation

STEM Pathway: Life Science/Chemistry/Biochemistry—Pre-Med, Pre-Pharmacy, etc.

11th Grade/First Year:

FALL		SPRING		Notes
Course	Credit Hours	Course	Credit Hours	
BIO 150/150L (GE - NS) (MAT ACT 22 req'd)	4	BIO 151/151L	4	
Chemistry: Depending on readiness; Path A (Student had high school chemistry & MAT AC 23 or ALEKS) or Path B (Student had no high school chemistry). This path requires CHE 121/121L in summer to stay on track.				
(A) CHE 120/120L (GE-NS)	4	CHE 121/121L	4	
(B) CHE 102	3	CHE 120/120L	4	
Math/Stats: Depending on readiness and possible major decision by spring. Pre-reqs: 102 (101 or ALEKS placement); 103 (102 or placement); 119 (103 or placement); 128 or 129 (B- in 119 or placement).				
(i) MAT 102: Intro to College Algebra &/or MAT 103: Intermediate College Algebra	2 or 4	MAT 119	3	<i>For STEM-interested students who need some extra math preparation (based on ACT &/or ALEKS).</i>
(ii) MAT 119: Precalculus	3	STA 205	3	<i>BIO, Neuro or Pre-Pharmacy</i>
(iii) MAT 119: Precalculus	3	MAT 129: Calculus I (GE)	4	<i>Chemistry, Biochemistry, Physics, CS, or Pre-Pharmacy, Pre-Med, etc.</i>
(iv) MAT 128: Calculus A (GE Quant)	3	MAT 227: Calculus B	3	<i>For calculus-ready students taking slower path to nine hours. For Chem & Biochem majors. (Also works for BIO but only need MAT 128.)</i>
(v) MAT 129: Calculus I (GE Quant)	4	MAT 229: Calculus II	5	<i>For calculus-ready students taking fast track to nine hours. For Chem & Biochem majors. (Also works for BIO but only need MAT 129.)</i>
UNV 101 (GE)	3	ENG 101 (GE-Com)	3	
HIS 102 or 103	3	Elective	3	<i>High school graduation requirements</i>
TOTAL HOURS	14-15		14-16	

12th Grade/Second Year:

FALL		SPRING		Notes
Course	Credit Hours	Course	Credit Hours	
Two paths: BIO/NEURO or Chemistry–Biochemistry track. Both prepare for pre-professional programs (medical, pharmacy, etc.), grad school or workforce.				
BIO 349/349L	4	BIO 302/302L	4	
CHE 310/310L	4	CHE 311/311L	4	
CMST101	3	Math	3	
ENG 102	3	BIO 291W/CHE 391W	3	
BIO 155/CHE 125	1	Elective as needed	0 or 3	<i>Depends on hours of other courses to reach 60 hours</i>
TOTAL HOURS	15		14 or 17	

(All successful students will graduate with a minimum of 60 college dual-credit hours.)

Non-STEM Pathway: Integrative Studies Associate Degree

The Associate of Arts in Integrative Studies (AAIS) is designed for students who need a college credential that will serve for career advancement or want to prepare for continuing toward a baccalaureate degree.

Special graduation requirements:

- No course can be used twice in the AAIS program.
- This degree cannot be counted as a major, minor or focus in an NKU baccalaureate program.
- A minimum of 60 credit hours is required, and the last 20 must be taken at NKU.

Required Courses (6 credit hours)

Students must complete the required courses as well as a specialization as described below.

A grade of C- or higher is required for the following courses to count toward the program:

- IST 185: Introduction to Integrative Studies—SB (3 credit hours)
- IST 397: Interdisciplinary Inquiry (3 credit hours)

Specialization (15 credit hours)

All students must choose 15 hours from one of the following meta-majors:

- Natural Science and Mathematics (Please note: This does not easily lead to 4-year STEM degree.)
- Social Science and Behavioral Science
- Humanities
- Arts

The courses in the specialization must be from at least two different designators within one of the meta-majors (Humanities, Natural Sciences and Mathematics, Social and Behavioral Sciences, the Arts) and include at least six hours at the 300-level or above.

General Education (31 credit hours)

Students must complete 31+ hours of general education courses to comply with the Kentucky transfer policy. This includes IST 185, which satisfies the Individual and Society category, and courses from the following groups:

- Communication Written I (3 credit hours)
- Communication Written II (3 credit hours)
- Oral (3 credit hours)
- Quantitative Reasoning (3 credit hours)
- Natural Science (4 credit hours, includes lab)
- Cultural Pluralism (3 credit hours)
- Cultural and Creativity (6 credit hours)
- Global Viewpoints (3 credit hours)

Electives (12 credit hours)

Students may fulfill the remaining program requirements with any 12 credit hours of additional electives. These electives could be used to earn an area of focus to apply to a subsequent BA in Integrative Studies degree or other baccalaureate degree, to begin to take courses in a major or minor of interest for a later baccalaureate degree or to explore various areas of interest.

The Integrative Studies Associate Degree is extremely flexible. Students will work with advisors to choose the courses that are of most interest to them. The following are **DRAFT** examples of three meta-major possibilities.

SOCIAL AND BEHAVIORAL SCIENCES WITH A HELPING/SERVICE EMPHASIS

11th Grade/First Year:

Course #	Course Name	CH	Course Number	Course Name	CH
IST 185 (GE-IS)	Intro Integrative Studies	3	CMST101 (GE-OR)	Public Speaking	3
ENG 101 (GE-WI)	College Writing	3	STA 205 (GE-QI)	Statistical Methods	3
SWK 105 (GE-CP)	Soc Wk & Community	3	PSY 100 (MM)	Intro to Psych	3
HIS 102 (GE-CC)	US History thru 1877	3	PHI 220 (GE-GV)	Health Care Ethics	3
SOC 101 (MM)	Global Inequities	3	BIO 121/L (GE-SL)	Diseases & Systems	4
TOTAL HOURS		15			16

12th Grade/Second Year:

Course #	Course Name	CH	Course Number	Course Name	CH
ENG 102 (GE-WII)	Adv. College Writing	3	CMST 355 (Elec.)	Culture & Communication	3
PSY 333 (MM)	Abnormal Psychology	3	PSY 465 (MM)	Health Psychology	3
ENG 338 (Elec.)	Writing Social Change	3	SOC 315 (MM)	Marriage & Family	3
REL 200 (GE-CC)	Wld Religions/Cultures	3	SWK 455 (Elec.)	Multicultural Family Exp.	3
Math	For high school graduation	3	IST 397	Interdisciplinary Inquiry	3
TOTAL HOURS		15			15

ARTS WITH A MARKETING EMPHASIS

11th Grade/First Year:

Course #	Course Name	CH	Course Number	Course Name	CH
IST 185 (GE-IS)	Intro Integrative Studies	3	TAR 111 (GE-OR)	Creative Expression	3
ENG 101 (GE-WI)	College Writing	3	MAT 115 (GE-QI)	Math for Liberal Arts	3
EMB 105 (GE-CP)	Media Diverse Society	3	ARTV101 (MM)	Adobe Creative Cloud	3
HIS 102 (GE-CC)	US History thru 1877	3	LDR 160 (GE-GV)	Leadership Around World	3
ART 100 (GE-CC)	Art Appreciation	3	TAR 160/L (MM)	Stagecraft	3
Total hours		15			15

12th Grade/Second Year:

Course #	Course Name	CH	Course Number	Course Name	CH
ENG 102 (GE-WII)	Adv. College Writing	3	PSY 304 (elec)	Consumer Psychology	3
TAR 362 (MM)	Drafting for Theatre	3	TAR 371 (MM)	Theatre Management	3
PSY 100 (Elec.)	Intro to Psych	3	TAR 260 (MM)	Lighting Fundamentals	3
SCI 110 (GE-SL)	Integrative Science	4	MKT 205 (Elec.)	Principles of Marketing	3
Math	For high school graduation	3	IST 397	Interdisciplinary Inquiry	3
Total Hours		16			15

HUMANITIES WITH A PRE-LAW EMPHASIS**11th grade/first year:**

Course #	Course name	CH	Course number	Course name	CH
IST 185 (GE-IS)	Intro Integrative Studies	3	TAR 111 (GE-OR)	Creative Expression	3
ENG 101 (GE-WI)	College Writing	3	MAT 115 (GE-QI)	Math for Liberal Arts	3
LDR 180 (GE-CP)	Leading Cult Soc Change	3	PHI 200 (MM)	Intro Ethics	3
HIS 103 (GE-CC)	US History since 1877	3	PSC 110 (GE-GV)	Political Ideas	3
LAT 101 (GE-CC)	Latin I	3	HIS 383 (MM)	Amer History	3
Total hours		15			15

12th grade/second year:

Course #	Course name	CH	Course number	Course name	CH
HIS291W (GE-WII)	Adv Historical Writing	3	Math	For high school graduation	3
PHI 330 (MM)	Philosophy & Law	3	ENG 345 (MM)	Legal Writing	3
PSC 204 (Elec.)	Intro Law	3	HIS 436 (MM)	Hist Race Rel 1800-pres	3
ENV 220/L (GE-SL)	Prot Water Resources	4	PSC 307 (Elec.)	Constitutional Law	3
JUS 101 (Elec.)	Intro Criminal Justice	3	IST 397	Interdisciplinary Inquiry	3
Total hours		16			15

(All successful students will graduate with a minimum of 60 college dual-credit hours.)

TABLE KEY

GE=general education course (with category listed)

Elec.=IST elective course

MM=meta-major course

Academic Advising: College Coach

KCSD will provide on-campus advising to NKU/KCSD Young Scholars Academy students through the college coach each semester. During the advising meetings, students and college coach will discuss prior AP coursework and future post-secondary and career plans to determine rigorous and appropriate classes for students to take on NKU's Highland Heights campus and/or online. Students will have the flexibility, with guidance, to select classes that best meet their educational goals. Students will be able to select between two pathways—a STEM or non-STEM focus—with the potential to achieve a certification of completion (60 credit hours or more) or an Associate of Arts in Integrative Studies.