

Course Recommendations by Major

NKU’s dual-enrollment program offers eligible high school students the opportunity to take college classes at a reduced rate. Classes are taught at partner high schools, on NKU’s Highland Heights and Grant County campuses, and online. Students can learn about the program from their high school counselors, student and parent nights, NKU recruitment events, and the [School-Based Scholars \(SBS\) website](#).

Many of the courses offered through the SBS program are general education courses that will be accepted by any public Kentucky university per Kentucky’s General Education Transfer Policy; however, courses must be chosen strategically to meet the statewide and institutional general education requirements along with requirements for the student’s chosen major. Table 1 lists many of the general education courses offered at NKU. For an exhaustive list of general education courses, refer to the General Education program requirements in the online [Undergraduate Catalog](#) or the [General Education checklist](#).

Table 2 contains general education courses and entry-level courses recommended for specific majors. In addition, the SBS program offers a number of [career exploration tracks](#) at participating high schools. The tracks consist of four or five classes that will count toward a specific major or minor in that area. Some of the tracks are offered online.

Please note, this document is meant as a reference and should not take the place of the course catalog or an advisor. Students must meet all pre- and co-requisites for courses.

Table 1: General Education Courses

Please note: In meeting requirements, students may use only one course from any given discipline. (This does not include courses for written and oral communication categories.)

Category	Credit Hours	Courses
Written Communication I (WC)	3 credit hours	ENG 101: College Writing
Written Communication II (WC) <i>Some majors require a different course. Students should check with an NKU advisor.</i>	3 credit hours	ENG 102: Advanced College Writing
Oral Communication (OC)	3 credit hours	CMST 101: Public Speaking CMST 110: Introduction to Communication Studies TAR 111: Creative Expression

Category	Credit Hours	Courses
Mathematics & Statistics (QR)	3 credit hours	MAT 114: Finite Mathematics MAT 115: Mathematics for Liberal Arts MAT 128: Calculus A MAT 129: Calculus I MAT 185: Introductory Discrete Mathematics PHI 265: Logic STA 113: Probability and Statistics with Elementary Education Applications STA 205: Introduction to Statistical Methods
Natural Science (NS or SL) <i>One course must have a lab. Courses with “/L” require the lab course. Courses with “-L” have optional labs. Some course have the lab built into the course (noted).</i>	7 credit hours	ANT 202: Biological Anthropology AST 110: Solar System Astronomy with Lab AST 115: Stars, Galaxies, and Cosmology with Lab BIO 120/L: Understanding the Living World BIO 121-L: Diseases and the Systems They Affect BIO 123: Human Ecology BIO 125: Biological Perspectives of Wellness BIO 126: Human Nutrition BIO 150/L: Introduction to Biology BIO 158: Biological Evolution BIO 208/L: Human Anatomy and Physiology I CHE 112-L: Chemistry and Society CHE 115/L: Physiological Chemistry CHE 120/L: General Chemistry I CHE 130/L: Chemistry: An Engineering Approach EGT 110: Introduction to Engineering/Technology ENV 110: Introduction to Environmental Science and Issues ENV 130-L: Water and People GEO 108: Physical Geography GLY 110: The Face of the Earth with Lab GLY 115: History of the Earth GLY 125: Prehistoric Life GLY 130: Geology of National Parks INF 120: Elementary Programming PHY 110: Introduction to Physics with Lab PHY 211: General Physics with Lab I PHY 220: University Physics with Lab I SCI 110: Integrative Science with Lab
Cultural Pluralism (SB)	3 credit hours	ANT 201: World Cultures ANT 230: North American Indians ANT 231: Modern American Indians ANT 245: Peoples of Latin America and the Caribbean ANT 270: Native Australia and Oceania BLS 100: Introduction to Black Studies DAN 200: Dance and Music of the African Diaspora EDU 316: Racism and Sexism in Educational Institutions EMB 105: Media in a Diverse Society

Category	Credit Hours	Courses
		ENG 212: Literature of Inclusion LDR 180: Leading Social and Cultural Change MUS 108: History of Rock and Roll MUS 110: Appreciation of Jazz PSC 201: Human Rights and Freedoms SPB 200: Rivalry and Rituals: International Sport SWK 105: Social Work and the Community TAR 102: Race, Gender and Theatre WGS 150: Introduction to Contemporary Gender Issues
Individual & Society (SB)	6 credit hours	ANT 110: Unearthing the Past: World Archaeology ECO 100: Principles of Macroeconomics ECO 101: Principles of Microeconomics FLC 101: Pathways to Financial Success HIS 200: Poverty in the midst of Prosperity HSR 100: Society and Human Services INF 128: Principles of Informatics IST 185: Introduction to Integrative Studies JOU 110: Introduction to Mass Communication JUS 101: Introduction to Criminal Justice LDR 101: Leadership in Action LIN 175: Information Literacy NEU 101: Neuroscience for Life: Sex to Society PHI 110: Philosophy, Individuals and Society PSC 100: American Politics PSY 100: Introduction to Psychology SOC 100: Introduction to Sociology
Culture & Creativity (AH) <i>Students may apply only one foreign language.</i>	6 credit hours	ARI 101: Elementary Arabic I ART 100: Art Appreciation DAN 100: Dance Appreciation EMB 100: Media Literacy ENG 200: Understanding Literature ENG 231: Introduction to Creative Writing ENG 302: Literature and Film ENG 316: Social Issues in Literature FRE 101: Elementary French I GER 101: Elementary German I HIS 102: History of the United States Through 1877 HIS 103: History of the United States Since 1877 ITA 101: Elementary Italian I JPN 101: Elementary Japanese I KOR 101: Elementary Korean I LAT 101: Elementary Latin I MUS 100: Music Appreciation MUS 201: Music and the Moving Image PHI 181: Philosophers, Cultures and Creativity POP 205: Introduction to Popular Culture POP 250: International Popular Culture

Category	Credit Hours	Courses
		PSC 202: Politics and Culture REL 200: World Religions and Cultures SPI 101: Elementary Spanish I TAR 100: Theatre Appreciation TAR 165: Comparative Arts
Global Viewpoints (AH) <i>A course cannot be used to fulfill two categories. Courses will transfer as AH to KY public institutions unless designated otherwise.</i>	3 credit hours	ANT 100: Introduction to Cultural Anthropology (SB) ANT 114: Great Archaeological Sites BIO 235: Costa Rican Natural History ENG 213: Global Viewpoints in Literature GEO 100: Global Viewpoints on Geography and the Human Landscape GLY 120: This Dangerous Earth (NS) HIS 111: Global Viewpoints in History JUS 231: Race, Gender and Crime LDR 160: Leadership Around the World MUS 106: Music of World Cultures PHI 200: Ethics PHI 220: Health Care Ethics PSC 102: Comparative Politics PSC 103: International Politics PSC 110: Political Ideas SOC 101: Global Inequities (SB) SWK 106: Introduction to Social Justice
Total Credit Hours	37 credit hours	

Table 2 contains any specific general education courses that are required for a chosen NKU major. These courses must be completed to satisfy the bachelor degree requirements even if the general education category is satisfied by other courses. For names of general education courses, refer to Table 1. The table also includes other suggested pre-requisite or lower-level courses in the major for students wishing to do further exploration in the major. Please refer to the course catalog and speak to an academic advisor for further guidance.

Table 2: Suggested Courses for NKU Majors

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
3D Digital Design and Visual Effects, B.A.	CMST 101 (OC) INF 120 (NS) EMB 100 (AH)	EMB 140: Introduction to Media Aesthetics DFX 221: Visual Fundamentals for Digital Media DFX 240: Introduction to Interactive Media INF 286: Intro to Web Development
Anthropology, B.A.	ANT 100 (SB) ANT 110 (SB) ANT 202 (NS) ANT 114 (AH) or ANT 201 (SB) or ANT 231 (SB) ANT 230 (SB) or ANT 245 (SB) or ANT 270 (SB)	ANT 210: Introduction to Archaeological Methods and Theory ANT 275: Language and Culture
Applied Software Engineering, B.S.	INF 120 (NS) MAT 185 (QR) STA 205 (QR)	INF 284: Intro to Computer Networks INF 286: Intro to Web Development
Art and Design, B.A. and B.S.	ART 291W (WC)	ART 130: Creating Visual Form ART 135: Creating Visual Order ART 140: Building Meaning in Visual Art ARTH 100: History of Art – Renaissance Modernism ARTH 101: History of Art – Prehistoric through Goth
Biological Sciences, B.A. and B.S.	BIO 150/150L (SL) CHE 120/120L (SL) PHY 211 (SL) or PHY 220 (SL) STA 205 (QR) Foreign Lang I (AH) BIO 291W (WC)	BIO 151/151L: Introduction to Biology with Lab II CHE 121/121L: General Chemistry with Lab II PHY 213: General Physics with Lab II or PHY 222: University Physics with Lab II Foreign Language at 102 level or higher
Business, B.S.B.A. (Accounting, Entrepreneurship, Finance, General Business,	ECO 100 (SB) ECO 101 (SB) MAT 114 (QR) STA 205 (QR)	

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
Global Supply Chain Management, Human Resource Management, International Business, Management, Marketing, Sports Business and Event Management)		
Business Information Systems, B.S.	ECO 100 (SB) ECO 101 (SB) MAT 114 (QR) STA 205 (QR) INF 120 (NS)	INF 282: Introduction to Databases
Chemistry, B.A. and B.S.	CHE 120/120L (SL) MAT 129 (QR) or MAT 128 (QR) PHY 211 (SL) or PHY 220 (SL)	CHE 121/121L: General Chemistry II with Lab II MAT 229: Calculus II or MAT 227: Calculus B and MAT 228: Calculus C PHY 213: General Physics with Lab II or PHY 222: University Physics with Lab II
Communication Studies, B.A.	CMST 101 (OC) or CMST 110 (OC)	CMST 220: Interpersonal Communication CMST 230: Small Group Communication
Computer Information Technology, B.S.	INF 120 (NS) STA 205 (QR)	INF 282: Introduction to Databases INF 284: Introduction to Computer Networks INF 286: Introduction to Web Development CIT 130: Information Technology Fundamentals CIT 171: Introduction to Linux CIT 271: Windows Administration CYS 285: Cybersecurity Fundamentals
Computer Science, B.S.	INF 120 (NS) MAT 129 (QR) or MAT 128 (QR)	CSC 260: Object-Oriented Programming I INF 284: Introduction to Networks and Data Communication INF 286: Introduction to Web Development MAT 229: Calculus II or MAT 227: Calculus B and MAT 228: Calculus C STA 250: Probability and Statistics I
Construction Management, B.S.	PHY 211 (SL) MAT 128 (QR) or MAT 129 (QR) or STA 205 (QR) ECO 100 (SB) or ECO 101 (SB)	CMGT 101: Introduction to Construction Management CMGT 120: Construction Materials and Methods I CMGT 121: Construction Materials and Methods II MAT 119: Pre-Calculus Mathematics
Criminal Justice, B.A.	JUS 101 (SB) JUS 231 (AH)	JUS 200: Police in America JUS 201: Corrections in America JUS 203: The Criminal Court Systems

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
Cybersecurity, B.S.	INF 120 (NS) MAT 185 (QR) STA 205 (QR)	CIT 130: Information Technology Fundamentals CIT 171: Introduction to Linux CSC 260: Object-Oriented Programming I CYS 285: Cybersecurity Fundamentals INF 284: Introduction to Computer Networks INF 286: Introduction to Web Development
Data Science, B.S.	INF 120 (NS) INF 128 (SB) MAT 129 (QR) or MAT 128 (QR)	CSC 260: Object-Oriented Programming I INF 286: Introduction to Web Development MAT 229: Calculus II or MAT 227: Calculus B and MAT 228: Calculus C MAT 234: Linear Algebra STA 250: Probability and Statistics I
Early Childhood Education, B.A.	CMST 101 (OC) EDU 316 (SB) ENG 101 (WC) ENG 102 (WC) PSY 100 (SB)	For the certification track: EDU 104: Orientation to Education EDU 305: Introduction to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
Economics, B.S.	ECO 100 (SB) ECO 101 (SB) STA 205 (QR)	
Electrical and Electronic Engineering Technology, B.S.	CHE 130/130L (SL) MAT 129 (QR) PHY 211 (SL) SOC 100 (SB) STA 205 (QR)	EGT 161: DC Circuit Analysis EGT 212: Computer-Aided Drafting and Design MAT 119: Pre-Calculus Mathematics PHY 213: General Physics with Lab II
Electronic Media and Broadcasting, B.A.	CMST 101 (OC) or CMST 110 (OC) EMB 100 (AH)	EMB 110: Introduction to Mass Media EMB 140: Introduction to Media Aesthetics
Elementary Education (P-5), B.A.	BIO 120/120L (SL) CMST 101 (OC) EDU 316 (SB) ENG 101 (WC) ENG 102 (WC) PSY 100 (SB) SCI 110 (SL) STA 113 (QR)	EDU 104: Orientation to Education EDU 305: Introduction to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
Engineering Physics, B.S.	CHE 120/120L (SL) MAT 129 (QR) PHY 220 (SL) STA 205 (QR)	PHY 222: University Physics with Lab II PHY 224: University Physics with Lab III EGT 212: Computer-Aided Drafting and Design CHE 121/121L: General Chemistry with Lab II MAT 229: Calculus II
English, B.A.	ENG 101 (WC)	ENG 204: Introduction to Writing Studies

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
	ENG 102 (WC) ENG 200 (AH)	
Environmental Science, B.A. and B.S.	BIO 150/150L (SL) CHE 120/120L (SL) ENG 101 (WC) ENV 110 (NS) STA 205 (QR) B.A. only: ENV 130 (NS) GLY 120 (SB) B.S. only: BIO 291W (WC) GLY 110 (SL) PHY 211 (SL)	BIO 151/151L: Introduction to Biology with Lab II B.S. only: CHE 121/CHE 121L: General Chemistry with Lab II MAT 119: Pre-Calculus Mathematics PHY 213: General Physics with Lab II
Exercise Science, B.S.	BIO 126 (NS) BIO 208/208L (SL) CHE 115/115L (SL) PHY 110 (SL)	BIO 209/209L: Human Anatomy and Physiology with Lab II KIN 125: Introduction to Physical Education, Fitness, and Sport KIN 200: Concepts of Lifetime Fitness KIN 260: Introduction to Strength and Conditioning KIN 280: Basic Recognition and Care of Athletic Injuries
French, B.A.		FRE 201: Intermediate French I (<i>Pre-Req: must have completed FRE 102, equivalent prior study, or placement test</i>) FRE 202: Intermediate French II
Geology, B.A. and B.S.	GLY 110 (SL) B.S. only: CHE 120/120L (NS) PHY 211 (SL) MAT 128 (QR) or MAT 129 (QR) or STA 205 (QR)	GLY 115: History of the Earth B.S. only: CHE 121/CHE 121L: General Chemistry with Lab II MAT 119: Pre-Calculus Mathematics PHY 213: General Physics with Lab II
Health Communication, B.A.	CMST 101 (OC) or CMST 110 (OC) JOU 110 (SB) or INF 128 (SB) SWK 105 (SB) PSY 100 (SB) STA 205 (QR)	CMST 220: Interpersonal Communication
Health Informatics, B.S.	INF 128 (SB)	BIS 101: Fundamentals of Business Computing BIS 275: Introduction to Business Analysis HIN 200: Introduction to Healthcare Operations

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
		INF 110: Introduction to Application Development INF 282: Introduction to Databases INF 284: Introduction to Networks and Data Communication
Health Science, B.S.	STA 205 (QR) BIO 125 (NS) BIO 126 (NS) BIO 121/121L(SL)or BIO 208/208L (SL) PSY 100 (SB) PHI 200 (AH) or PHI 220 (AH)	HSC 101: Introduction to Health Professions BIO 209/209L: Human Anatomy and Physiology with Lab II (if BIO 208/208L selected) HEA 230: Personal Health and Wellness
History, B.A.	HIS 102 (AH) or HIS 103 (AH) HIS 111 (AH) HIS 291W (WC)	HIS 108: World History to 1500 HIS 109: World History since 1500
Human Services and Addictions, B.S.	HSR 100 (SB) STA 113 (QR) or STA 205 (QR) PSY 100 (SB)	HSR 105: Helping Skills and Techniques for Human Services Professionals
Integrative Studies, B.A.	IST 185 (SB)	Students should work closely with an advisor to select appropriate courses.
International Studies, B.A.	PSC 103 (AH) Choose two or three: ANT 100 (SB) PSC 102 (AH) SOC 101 (SB)	GEO 101: World Regional Geography (<i>if chose two in gen ed column</i>) <i>Note: Students must also complete 12 hours in a foreign language. Some elementary language courses count for general education. Students can also place into higher level language courses through prior study or placement testing.</i>
Japanese, B.A.		JPN 201: Intermediate Japanese I (<i>Pre-Req: must have completed JPN 102, equivalent prior study, or placement test</i>) JPN 202: Intermediate Japanese II
Journalism, B.A.	CMST 101 (OC) or CMST 110 (OC) JOU 110 (SB)	EMB 140: Introduction to Media Aesthetics JOU 220: News Writing
Law, B.A.	PSC 100 (SB) or JUS 101 (SB)	PSC 204: Introduction to the Law
Library Informatics, B.S.	LIN 175 (SB)	BIS 101: Fundamentals of Business Computing INF 110: Intro to Application Development
Mathematics, B.S.	MAT 129 (QR) or MAT 128 (QR)	MAT 229: Calculus II (if taking MAT 129) or MAT 227: Calculus B (if taking MAT 128) and

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
		MAT 228: Calculus C MAT 234: Linear Algebra STA 250: Probability and Statistics CSC 260: Object-Oriented Programming I or CSC 270: Mathematics Software Programming
Mechanical and Manufacturing Engineering Technology, B.S.	CHE 130/130L (SL) MAT 129 (QR) PHY 211 (SL) SOC 100 (SB) STA 205 (QR)	MAT 119: Pre-Calculus Mathematics PHY 213: General Physics with Lab II EGT 116: Introduction to Manufacturing EGT 162: Industrial Electricity EGT 212: Computer-Aided Drafting and Design
Mechatronics Engineering Technology, B.S.	CHE 130/130L (SL) MAT 129 (QR) PHY 211 (SL) SOC 100 (SB) STA 205 (QR)	MAT 119: Pre-Calculus Mathematics PHY 213: General Physics with Lab II EGT 116: Introduction to Manufacturing EGT 161: DC Circuit Analysis EGT 212: Computer-Aided Drafting and Design
Middle Grades (5-9) Education, B.A.	EDU 316 (SB) PSY 100 (SB) CMST 101 (OC) ENG 101 (WC) ENG 102 (WC)	EDU 104: Orientation to Education EDU 305: Introduction to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school) Review Content Tracks in course catalog for additional courses, some of which satisfy General Education.
Music, B.A.		MUSM 111: Music Theory I MUSM 112: Music Theory II MUSM 140: Intro to Music History MUSM 242: Survey of Western Music I MUSM 353: Survey of Western Music II
Music: Composition or Performance, B.M.		MUSM 111: Music Theory I MUSM 112: Music Theory II MUSM 140: Intro to Music History MUSM 242: Survey of Western Music I MUSM 353: Survey of Western Music II
Music Education, B.M.E.	CMST 101 (OC) MUS 106 (AH) PSY 100 (SB)	MUSM 111: Music Theory I MUSM 112: Music Theory II MUSM 140: Intro to Music History MUSM 242: Survey of Western Music I MUSM 353: Survey of Western Music II
Neuroscience, B.S.	BIO 150/150L (SL) BIO 291W (WC) CHE 120/120L (SL) INF 120 (NS) NEU 101 (SB) PSY 100 (SB)	BIO 151/151L: Intro to Biology with Lab II

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
	STA 205 (QR)	
Nursing, B.S.N.	BIO 126 (NS) BIO 208/208L (SL) CHE 115/115L (SL) PSY 100 (SB) STA 205 (QR)	BIO 209/209L: Human Anatomy and Physiology with Lab II BIO 202/202L: Microbiology for Health Professionals with Lab PSY 321: Lifespan Development or EDU 300: Human Growth and Development HIN 355: Foundations of Health Informatics
Organizational Leadership, B.A.	LDR 101 (SB) LDR 160 (AH) LDR 180 (SB)	LDR 205: Human Relations in Organizations
Philosophy, B.A.	PHI 265 (QR) PHI 110 (SB) or PHI 181 (AH) PHI 200 (AH) or PHI 220 (AH)	
Physical Education (Leading to P-12 Teaching Certification), B.A.	BIO 121/121L (SL) CMST 101 (OC) ENG 102 (WC) ENV 110 (NS) PSY 100 (SB)	KIN 125: Introduction to Physical Education, Fitness, and Sport KIN 260: Introduction to Strength and Conditioning HEA 125: Foundations of Health Ed & Promotion HEA 135: Safety and First Aid HEA 230: Personal Health and Wellness
Physical Education (Non-Certification), B.A.	BIO 121/121L (SL) ENV 110 (NS) PSY 100 (SB)	KIN 125: Introduction to Physical Education, Fitness, and Sport KIN 260: Introduction to Strength and Conditioning HEA 125: Foundations of Health Ed & Promotion HEA 135: Safety and First Aid HEA 230: Personal Health and Wellness
Physics, B.A. and B.S.	PHY 220 (SL) CHE 120/120L (SL) MAT 129 (QR) or MAT 128 (QR)	PHY 222: University Physics with Lab II PHY 224: University Physics with Lab III CHE 121/121L: General Chemistry with Lab II MAT 229: Calculus II (if taking MAT 129) or MAT 227: Calculus B (if taking MAT 128) and MAT 228: Calculus C
Political Science, B.A.	PSC 100 (SB) PSC 102 (AH) PSC 103 (AH) PSC 110 (AH)	
Pre-Dental	Pre-dental students at NKU often choose majors in biological sciences (cellular/molecular/genetics track) or chemistry & biochemistry (biochemistry track) because these degrees include all the requirements for entry into dental schools. Requirements for dental school generally include:	

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
	<p>Two semesters of biology with labs (some schools require an additional two semesters of biology courses at the 300/400/500 level). Two semesters of inorganic/general chemistry with labs. Two semesters of organic chemistry with labs. One semester of physics with lab. Two semesters of English/composition courses (discipline-specific 291W/391W courses are accepted). Students interested in pre-dental should refer to the course catalog and work closely with an advisor.</p>	
Pre-Engineering	<p>Most pre-engineering students will be expected to complete at least this group of courses at NKU before transfer to a degree program in engineering: One year of English composition. Three semesters of calculus-based physics with lab. Two years of calculus and differential equations. One year of chemistry. Courses in computer graphics, general education, and introduction to engineering and design. Students interested in pre-engineering should refer to the course catalog and work closely with an advisor.</p>	
Pre-Forestry	<p>BIO 150/150L (SL) CHE 120/120L (SL) ECO 101 (SB) MAT 129 (QR) PHY 211 (SL) STA 205 (QR)</p>	<p>BIO 151/151L: Introduction to Biology with Lab II CHE 121/121L: General Chemistry with Lab II MAT 119: Pre-Calculus Mathematics</p>
Pre-Medical or Physician Assistant	<p>The two most common degrees sought by pre-med students at NKU are in biological sciences (cellular/molecular/genetics track) and chemistry & biochemistry (biochemistry track). It is recommended that non-science majors complete several electives at the 300/400/500 level in biology, chemistry, or related disciplines. In addition, courses in mathematics, behavioral and social sciences, and the humanities, provide excellent preparation for medical study. Requirements for professional medical programs generally include: One year of biology with labs. One year of inorganic/general chemistry with labs. One year of organic chemistry with labs. One year of physics with labs. One year of English/composition courses (discipline-specific 291W/391W courses are accepted). Mathematics (varies with programs; usually two semesters of mathematics required). Students interested in pre-med or physician assistant should refer to the course catalog and work closely with an advisor.</p>	

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
Pre-Optometry	Students intending to enter the field of optometry should consult with an advisor in planning their curriculum. In general, the Bachelor of Science, cellular/molecular/genetics track with calculus (MAT 129) in biological sciences or the biochemistry track in chemistry are useful models.	
Pre-Pharmacy	<p>The following coursework is generally required for admission to pharmacy school:</p> <ul style="list-style-type: none"> Two semesters of biology with labs. One semester of microbiology with lab. One semester of anatomy and physiology with lab. Two semesters of inorganic/general chemistry with labs. Two semesters of organic chemistry with labs. One semester of calculus. One semester of statistics. Two semesters of physics with labs. Two semesters of English/composition courses (discipline-specific 291W courses are accepted). <p>Students interested in pre-pharmacy should refer to the course catalog and work closely with an advisor.</p>	
Pre-Physical Therapy	<p>For most physical therapy schools the requirement is a bachelor's degree that includes specified pre-professional coursework. For up-to-date information, students should check current catalogs or websites of the professional schools to which they intend to apply. The following coursework is generally required for admission to a physical therapy program:</p> <ul style="list-style-type: none"> Two semesters of biology with labs. Two semesters of inorganic/general chemistry with labs. One semester of statistics. One semester of medical terminology. Two semesters of physics with labs. One semester of oral communication. One semester of introduction to psychology. One semester of developmental psychology. <p>Students interested in pre-physical therapy should refer to the course catalog and work closely with an advisor.</p>	
Pre-Veterinary Medicine	<p>Pre-veterinary students typically follow degree tracks for biological sciences (cellular/molecular/genetics track) or chemistry & biochemistry (biochemistry track), but any track will work as long as the veterinary entry requirements are met. It is recommended that non-science majors complete several electives at the 300/400/500 level in biology, chemistry or related disciplines to their degree programs. Program requirements for veterinary medicine generally include:</p> <ul style="list-style-type: none"> One year of biology with labs plus two additional semesters of biology courses from a list of alternatives. One year of inorganic/general chemistry with labs. 	

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
	<p>One year of organic chemistry with labs. One year of physics with labs. One year of English/composition courses (discipline-specific 291W courses are accepted). One semester of mathematics. One semester of biochemistry plus one semester of animal nutrition. Humanities, fine arts, social, and behavioral electives. Students interested in pre-veterinary medicine should refer to the course catalog and work closely with an advisor.</p>	
Pre-Wildlife Management	<p>Students interested in wildlife management may complete their first two years of coursework at NKU and then finish work for the bachelor's degree in wildlife management at a university offering such a degree. Realizing that many students do not go on to a wildlife management program for one reason or another, they are advised to follow a B.S. or B.A. track. Students interested in pre-wildlife management should refer to the course catalog and work closely with an advisor.</p>	
Psychological Science, B.A. and B.S.	<p>PSY 100 (SB) STA 205 (QR)</p>	
Public Relations, B.A.	<p>CMST 101 (OC) or CMST 110 (OC) JOU 110 (SB) or EMB 100 (AH)</p>	<p>JOU 220: News Writing CMST 220: Interpersonal Communication PRE 275: Principles of Public Relations</p>
Radiation Therapy, B.S.	<p>BIO 208/208L (SL) ENG 101 (WC) MAT 129 (QR) PHY 110 (SL) STA 205 (QR)</p>	<p>BIO 209/209L: Human Anatomy and Physiology with Lab II MAT 119: Pre-Calculus Mathematics (or MAT 129)</p>
Radiologic Science, B.S.	<p>BIO 208/208L (SL) PHY 110 (SL) or CHE 115/115L (SL) ENG 101 (WC) STA 205 (QR)</p>	<p>BIO 209/209L: Human Anatomy and Physiology with Lab II</p>
Respiratory Care, B.S.	<p>CHE 115/115L (SL) STA 205 (QR) BIO 208/208L (SL)</p>	<p>HSC 101: Introduction to Health Professions BIO 209/209L: Human Anatomy and Physiology with Lab II BIO 202/202L: Microbiology for Health Professionals with Lab</p>
Secondary (8-12) Education, B.A.	<p>CMST 101 (OC) EDU 316 (SB) ENG 101 (WC) ENG 102 (WC) PSY 100 (SB)</p>	<p>EDU 104: Orientation to Education EDU 305: Introduction to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)</p>

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Lower-Level Major Courses
Social Studies with a Secondary Education Certification, B.A.	ANT 100 (SB) or ANT 201 (SB) GEO 100 (AH) HIS 102 (AH) HIS 103 (AH) HIS 111 (AH) HIS 291W (WC) PSC 100 (SB) PSC 102 (AH) or PSC 103 (AH) PSY 100 (SB) SOC 100 (SB)	HIS 108: World History to 1500 HIS 109 World History since 1500 EDU 104: Orientation to Education EDU 305: Introduction to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
Social Work, B.S.W.	SWK 105 (SB) SWK 106 (AH) STA 205 (QR) or STA 113 (QR)	SWK 205: Inclusion, Oppression and Social Work SWK 206: Professional Social Work Communication
Sociology, B.S.	SOC 100 (SB) or SOC 101 (SB)	
Spanish, B.A.	Optional: ANT 245 (SB)	SPI 201: Intermediate Spanish I (<i>Pre-Req: must have completed SPI 102, equivalent prior study, or placement test</i>) SPI 202: Intermediate Spanish II
Special Education, B.A.	EDU 316 (SB)	EDU 104: Orientation to Education EDU 305: Introduction to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
Statistics, B.S.	MAT 129 (QR) or MAT 128 (QR)	MAT 229: Calculus II (if taking MAT 129) or MAT 227: Calculus B (if taking MAT 128) and MAT 228: Calculus C STA 250: Probability and Statistics
Theatre, B.A.		TAR 110: Acting I
Theatre – Design or Technology, B.F.A.		TAR 110: Acting I TAR 161: Fundamentals of Theatrical Design
Theatre – Theatre Performance, B.F.A.		TAR 110: Acting I or DAN 120: Ballet Dance <i>Note: Additional offerings dependent based on chosen track (acting, dance, musical theatre, playwriting)</i>
Visual Communication Design, B.F.A.	ART 291W (WC)	ART 130: Creating Visual Form ART 135: Creating Visual Order ART 140: Building Meaning in Visual Art ARTH 100: History of Art – Renaissance Modernism