

## NKU Dual-Credit Path to a Bachelor’s Degree

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 at their high schools, 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 to the General Education checklist that can be found at <https://inside.nku.edu/content/dam/gened/docs/bagenedchecklist.pdf>.

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 major or minor in that area. Some of the tracks are offered online. Table 2 contains general education for specific majors and the current tracks, but new tracks will continue to be developed.

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**

Category	Credit Hours	Courses
<b>Written Communication I (WC)</b>	3 credit hours	ENG 101: College Writing
<b>Written Communication II (WC)</b> <i>Some majors require a different course. Students should check with an NKU advisor.</i>	3 credit hours	ENG 102: Advanced College Writing
<b>Oral Communication (OC)</b>	3 credit hours	CMST 101: Public Speaking CMST 110: Introduction to Communication Studies TAR 111: Creative Expression
<b>Mathematics &amp; Statistics (QR)</b>	3 credit hours	MAT 114: Finite Mathematics MAT 115: Mathematics for Liberal Arts

Category	Credit Hours	Courses
		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
<p><b>Natural Science (NS or SL)</b>  <i>One course must have a lab. Courses with “/L” require the lab. Courses with “-L” have optional labs. Some course have the lab built into the course. Students may use only one course from any given discipline.</i></p>	7 credit hours	ANT 202/L: Biological Anthropology AST 110/L: Solar System Astronomy with Lab AST 115/L: 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 105L: Discovering Chemistry with Lab CHE 112-L: Chemistry and Society CHE 115/L: Physiological Chemistry CHE 120/L: General Chemistry I EGT 110: Introduction to Engineering/Technology ENV 110: Introduction to Environmental Science and Issues ENV 220-L: Protecting Water Resources GEO 108: Physical Geography GLY 110: The Face of the Earth with Lab GLY 120: This Dangerous Earth GLY 125: Prehistoric Life GLY 130: Geology of National Parks INF 120: Elementary Programming PHY 101: Einstein 101 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
<p><b>Cultural Pluralism (SB)</b>  <i>Students may use only one course from any given discipline in Social and Behavioral (SB) categories.</i></p>	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 EDU 316: Racism and Sexism in Educational Institutions EMB 105: Media in a Diverse Society ENG 212: Literature of Inclusion

Category	Credit Hours	Courses
		MUS 110: Appreciation of Jazz SOC 101: Global Inequities 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
<b>Individual &amp; Society (SB)</b> <i>Students may use only one course from any given discipline in Social and Behavioral (SB) categories.</i>	6 credit hours	ANT 100: Introduction to Cultural Anthropology ANT 110: Unearthing the Past: World Archaeology BIS 111: Problem Solving and Creativity ECO 200: Principles of Macroeconomics ECO 201: 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 LIN 175: Information Literacy NEU 101: Neuroscience for Life: Sex to Society PHI 110: Philosophy, Individuals and Society PSC 100: American Politics PSC 101: State and Local Politics PSY 100: Introduction to Psychology SOC 100: Introduction to Sociology
<b>Culture &amp; Creativity (AH)</b> <i>Students may use only one course from any given discipline in Arts and Humanities. Students may apply only one foreign language.</i>	6 credit hours	ARI 101: Elementary Arabic I ART 100: Art Appreciation CHI 101: Elementary Chinese I EMB 100: Media Literacy ENG 200: Understanding Literature ENG 214: Literature Across History 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 PHI 181: Philosophers, Cultures and Creativity POP 205: Introduction to Popular Culture POP 250: International Popular Culture REL 200: World Religions and Cultures RUS 101: Elementary Russian I

Category	Credit Hours	Courses
		SPI 101: Elementary Spanish I TAR 100: Theatre Appreciation TAR 165: Comparative Arts
<b>Global Viewpoints (AH)</b> <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 100: Introduction to Sociology (SB) SOC 101: Global Inequities (SB) SWK 106: Introduction to Social Justice
<b>Total Credit Hours</b>	37 credit hours	

Table 2 contains the general education courses that are required for the specified 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 entry-level core courses in the major for students wishing to do further exploration in the major.

**Table 2: Suggested Courses for NKU Majors**

<b>Major</b>	<b>Pre-Requisite or Required Major General Education Requirements</b>	<b>Pre-Requisite or Entry-Level Core Major Courses</b>
<b>Anthropology, B.A.</b>	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)	
<b>Athletic Training, B.S.</b>	PSY 100 (SB) BIO 126 (NS) BIO 208 (NS) BIO 208L (SL) STA 205 (QR)	HEA 135: Safety and First Aid KIN 280: Basic Recognition and Care of Athletic Injuries BIO 209: Human Anatomy and Physiology II BIO 209L: Human Anatomy and Physiology II Lab KIN 260 Intro to Strength and Conditioning
<b>Biological Sciences, B.A. and B.S.</b>	BIO 150/150L (SL) CHE 120/120L (SL) PHY 211 (SL) PHY 220 (SL) STA 205 (QR) Foreign Lang I (AH) BIO 291W (WC)	BIO 151/151L: Introduction to Biology II PHY 213: General Physics with Lab II Foreign Language at 102 level or higher
<b>Business, B.S.B.A.</b> (Accounting, Entrepreneurship, Finance, General Business, Global Supply Chain Management, Human Resource Management, International Business, Management, Marketing, Sports Business and Event Management)	ECO 200 (SB) ECO 201 (SB) MAT 114 (QR) STA 205 (QR)	

<b>Major</b>	<b>Pre-Requisite or Required Major General Education Requirements</b>	<b>Pre-Requisite or Entry-Level Core Major Courses</b>
<b>Business Information Systems, B.S.</b>	ENG 101 (WC) MAT 114 (QR) CMST 101 (OC) or CMST 110 (OC) ECO 200 (SB) ECO 201 (SB) ENG 102 (WC) STA 205 (QR)	
<b>Chemistry, B.A. and B.S.</b>	CHE 120/120L (SL) MAT 129 (QR) or MAT 128 (QR) PHY 211 (SL) or PHY 220 (SL)	CHE 121/121L: General Chemistry II MAT 229: Calculus II or MAT 227: Calculus B and MAT 228: Calculus C PHY 213: General Physics with Laboratory II or PHY 222: University Physics with Laboratory II
<b>Communication Studies, B.A.</b>	CMST 101 (OC) or CMST 110 (OC)	
<b>Computer Information Technology, B.S.</b>	INF 120 (NS) STA 205 (QR)	INF 282: Intro to Databases INF 286: Intro to Web Development CIT 130: Information Technology Fundamentals CIT 247: Networking Fundamentals CIT 285: Cybersecurity Fundamentals
<b>Computer Science, B.S.</b>	INF 120 (NS) MAT 128 (QR)	INF 282: Introduction to Databases INF 284: Intro to Networks and Data Communication INF 286: Intro to Web Development MAT 227: Calculus B MAT 228: Calculus C STA 250: Probability and Statistics I
<b>Construction Management, B.S.</b>	PHY 211 (SL) MAT 128 (QR) or MAT 129 (QR) or STA 205 (QR) ECO 200 (SB) or ECO 201 (SB)	CMGT 101: Intro to Construction Management CMGT 120: Construction Materials and Methods I CMGT 121: Construction Materials and Methods II MAT 119: Pre-Calculus Mathematics
<b>Criminal Justice, B.A.</b>	JUS 101 (SB)	
<b>Data Science, B.S.</b>	INF 120 (NS) INF 128 (SB) MAT 128 (QR) ECO 291 (SB)	INF 282: Intro to Databases INF 286: Intro to Web Development BIS 275: Intro to Business Analysis MAT 227: Calculus B MAT 228: Calculus C MAT 234: Linear Algebra STA 250: Probability and Statistics I STA 341: Statistics II
<b>Early Childhood Education, B.A.</b>	EDU 316 (SB) PSY 100 (SB)	EDU 104: Orientation to Education EDU 305: Intro to Education

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Entry-Level Core Major Courses
	CMST 101 (OC) ENG 101 (WC) ENG 102 (WC)	EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
<b>Economics, B.S.</b>	ECO 200 (SB) ECO 201 (SB) STA 205 (QR)	
<b>Electrical and Electronic Engineering Technology, B.S.</b>	CHE 130/130L (SL) MAT 128 (QR) or MAT 129 (QR) PHY 211 (SL) STA 205 (QR)	EGT 161: DC Circuit Analysis EGT 212: Computer-Aided Drafting and Design MAT 119: Pre-Calculus Mathematics MAT 227: Calculus B (if taking MAT 128) PHY 213: General Physics with Lab II
<b>Electronic Media and Broadcasting, B.A.</b>	CMST 101 (OC) or CMST 110 (OC) EMB 100 (AH)	
<b>Elementary Education (P-5), B.A.</b>	EDU 316 (SB) PSY 100 (SB) BIO 120/120L (SL) CMST 101 (OC) ENG 101 (WC) ENG 102 (WC) SCI 110 (SL) STA 113 (QR)	EDU 104: Orientation to Education EDU 305: Intro to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
<b>English, B.A.</b>	ENG 101 (WC) ENG 102 (WC) ENG 200 (AH)	
<b>Environmental Science, B.A. and B.S.</b>	BIO 150/150L (SL) CHE 120/120L (SL) ENG 101 (WC) ENV 110 (NS) GLY 120 (NS) STA 205 (QR)	BIO 291W: Advanced Writing in Biology (replaces ENG 102) BIO 151/151L: Intro to Biology II
<b>Exercise Science, B.S.</b>	BIO 126 (NS) BIO 208/208L (SL) CHE 115/115L (SL) PHY 110 (SL)	HEA 135: Safety and First Aid KIN 125: Intro to Physical Education, Fitness, and Sport KIN 200: Concepts of Lifetime Fitness KIN 260: Intro to Strength and Conditioning BIO 209/209L: Human Anatomy and Physiology II
<b>French, B.A.</b>		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
<b>Geography, B.A.</b>	GEO 100 (AH) GEO 108 (NS)	GEO 101: World Regional Geography
<b>Geology, B.A. and B.S.</b>	GLY 110 (SL)	GLY 115: History of the Earth

<b>Major</b>	<b>Pre-Requisite or Required Major General Education Requirements</b>	<b>Pre-Requisite or Entry-Level Core Major Courses</b>
	B.S. only: CHE 120/120L (NS) PHY 211 (SL) MAT 128 (QR) or MAT 129 (QR) or STA 205 (QR)	B.S. only: CHE 121/CHE 121L: General Chemistry II MAT 119: Pre-Calculus mathematics PHY 213: General Physics with Lab II
<b>German, B.A.</b>		GER 201: Intermediate German I ( <i>Pre-Req: must have completed GER 102, equivalent prior study, or placement test</i> ) GER 202: Intermediate German II
<b>Health Communication, B.A.</b>	CMST 101 (OC) or CMST 110 (OC) JOU 110 (SB) or INF 128 (SB) SWK 105 (SB) PSY 100 (SB) STA 205 (QR)	HIN 200: Introduction to Healthcare Operations
<b>Health Informatics, B.S.</b>	BIO 208/208L (SL) BIS 111 (SB) INF 128 (SB)	BIO 209/209L: Human Anatomy and Physiology II BIS 101: Fundamentals of Business Computing BIS 275: Intro to Business Analysis INF 110: Intro to Application Development INF 282: Intro to Databases INF 284: Intro to Networks and Data Communication
<b>Health Science, B.S.</b>	ENG 101 (WC) ENG 102 (WC) or HSC 291W (WC) CMST 101 (OC) or CMST 110 (OC) STA 205 (QR) BIO 121/121L (SL) or BIO 208/208L (SL) PSY 100 (SB) PHI 200 (AH) or PHI 220 (AH)	HSC 101: Intro to Health Professions
<b>History, B.A.</b>	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
<b>Human Services and Addictions, B.S.</b>	HSR 100 (SB) STA 113 (QR) or STA 205 (QR)	HSR 105: Helping Skills and Techniques for HS Professionals

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Entry-Level Core Major Courses
	PSY 100 (SB) SOC 100 (SB) BIO 125 (NS)	
<b>Integrative Studies, B.A.</b>	IST 185 (SB)	
<b>International Studies, B.A.</b>	PSC 102 (AH) PSC 103 (AH) Choose two: ANT 100 (SB) ECO 200 (SB) HIS 111 (AH) LDR 160 (AH) REL 200 (AH) SOC 101 (SB)	GEO 101: World Regional Geography  <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>
<b>Journalism, B.A.</b>	CMST 101 (OC) or CMST 110 (OC) JOU 110 (SB)	EMB 140: Introduction to Media Aesthetics JOU 220: News Writing ( <i>pre-req: C or better in ENG 101</i> )
<b>Library Informatics, B.S.</b>		LIN 175: Information Literacy BIS 101: Fundamentals of Business Computing INF 110: Intro to Application Development
<b>Mathematics, B.S.</b>	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 MAT 234: Linear Algebra STA 250: Probability and Statistics
<b>Mechanical and Manufacturing Engineering Technology, B.S.</b>	CHE 130/130L (SL) MAT 128 (QR) or MAT 129 (QR) PHY 211 (SL) STA 205 (QR)	MAT 119: Pre-Calculus Mathematics MAT 227: Calculus B (if taking MAT 128) PHY 213: General Physics with Lab II EGT 116: Intro to Manufacturing EGT 161: DC Circuit Analysis EGT 212: Computer-Aided Drafting and Design
<b>Mechatronics Engineering Technology, B.S.</b>	CHE 130/130L (SL) MAT 128 (QR) or MAT 129 (QR) PHY 211 (SL) STA 205 (QR)	MAT 119: Pre-Calculus Mathematics MAT 227: Calculus B (if taking MAT 128) PHY 213: General Physics with Lab II EGT 116: Intro to Manufacturing EGT 212: Computer-Aided Drafting and Design
<b>Media Informatics, B.A.</b>	CMST 101 (OC) or CMST 110 (OC) INF 120 (NS) EMB 100 (AH) or JOU 110 (SB)	EMB 140: Intro to Media Aesthetics MIN 221: Visual Fundamentals for Digital Media ( <i>pre-req: EMB 140</i> ) MIN 240: Intro to Interactive Media ( <i>pre- or co-req: EMB 140</i> ) MIN 244: Principles of Digital 3D Animation ( <i>pre-req: EMB140</i> )

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Entry-Level Core Major Courses
<b>Middle Grades (5-9) Education, B.A.</b>	EDU 316 (SB) PSY 100 (SB) CMST 101 (OC) ENG 101 (WC) ENG 102 (WC)	EDU 104: Orientation to Education EDU 305: Intro to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
<b>Music, B.A.</b>		MUSM 111: Music Theory I ( <i>Pre-req: placement test or C or better in MUSM 110</i> ) MUSM 112: Music Theory II
<b>Music: Composition or Performance, B.M.</b>		MUSM 111: Music Theory I ( <i>Pre-req: placement test or C or better in MUSM 110</i> ) MUSM 112: Music Theory II MUSM 241: History of Music 1 MUSM 242: History of Music II MUSM 243: History of Music III
<b>Music Education, B.M.E.</b>	EDU 316 (SB)	MUSM 111: Music Theory I ( <i>Pre-req: placement test or C or better in MUSM 110</i> ) MUSM 112: Music Theory II MUSM 241: History of Music 1 MUSM 242: History of Music II MUSM 243: History of Music III  EDU 104: Orientation to Education EDU 305: Intro to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
<b>Neuroscience, B.S.</b>	BIO 150/150L (SL) CHE 120/120L (SL) STA 205 (QR) INF 120 (NS) PSY 100 (SB) NEU 101 (SB) BIO 291W (WC)	BIO 151/151L: Intro to Biology II
<b>Nursing, B.S.N.</b>	BIO 126 (NS) BIO 208/208L (SL) CHE 115/115L (SL) PSY 100 (SB) STA 205 (QR)	BIO 209/209L: Human Anatomy and Physiology II BIO 202/202L: Microbiology for Health Professionals PSY 231: Lifespan Development or EDU 300: Human Growth and Development HIN 355: Foundations of Health Informatics
<b>Organizational Leadership, B.A.</b>	LDR 160 (AH)	LDR 117: Intro to Supervision LDR 205: Human Relations in Organizations
<b>Philosophy, B.A.</b>	PHI 265 (QR) Optional: PHI 200 (AH)	

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Entry-Level Core Major Courses
	PHI 220 (AH)	
<b>Physical Education (Leading to P-12 Teaching Certification), B.A.</b>	CMST 101 (OC) ENG 102 (WC) PSY 100 (SB) BIO 208 (NS) BIO 208L (SL)	KIN 125: Intro to Physical Education, Fitness, and Sport HEA 135: Safety and First Aid BIO 209: Human Anatomy and Physiology II BIO 209L: Human Anatomy and Physiology II Lab
<b>Physical Education (Non-Certification), B.A.</b>	BIO 208 (NS) BIO 208L (SL)	KIN 125: Intro to Physical Education, Fitness, and Sport HEA 135: Safety and First Aid BIO 209: Human Anatomy and Physiology II BIO 209L: Human Anatomy and Physiology II Lab
<b>Physics, B.A. and B.S.</b>	PHY 220 (SL) CHE 120/120L (SL) MAT 129 (QR) or MAT 128 (QR)	CHE 121/121L: General Chemistry II
<b>Political Science, B.A.</b>	PSC 100 (SB) or PSC 100H (SB) or PSC 101 (SB) PSC 102 (AH) PSC 103 (AH) or PSC 103H (AH) PSC 110 (AH) or PSC 110H (AH)	
<b>Pre-Dental</b>	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. Students interested in pre-dental should refer to the course catalog and work closely with an advisor.	
<b>Pre-Engineering</b>	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.	
<b>Pre-Engineering: Biosystems, Chemical, Materials Engineering</b>	MAT 129 (QR) PHY 220 (SL) CHE 120/120L (SL) ENG 101 (WC) CMST 101 (OC)	MAT 229: Calculus II PHY 222: University Physics with Lab II CHE 121/121L (SL):General Chemistry II EGT 212: Computer-Aided Drafting and Design

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Entry-Level Core Major Courses
<b>Pre-Engineering: Civil, Electrical, Mechanical, Mining</b>	MAT 129 (QR) PHY 220 (SL) CHE 120/120L (SL) ENG 101 (WC) CMST 101 (OC) ECO 210 (SB)	MAT 229: Calculus II PHY 222: University Physics with Lab II CHE 121/121L (SL):General Chemistry II EGT 212: Computer-Aided Drafting and Design
<b>Pre-Forestry</b>	MAT 129 (QR) STA 205 (QR) CHE 120/120L (SL) BIO 150/150L (SL) PHY 211 (SL) ECO 201 (SB)	MAT 119: Pre-Calculus Mathematics CHE 121/121L: General Chemistry II BIO 151/151L: Intro to Biology II
<b>Pre-Medical or Physician Assistant</b>	<p>The two most common degrees sought by pre-med students at NKU are in biological sciences (cellular/molecular/genetics track) and chemistry &amp; 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:</p> <ul style="list-style-type: none"> <li>One year of biology with labs.</li> <li>One year of inorganic/general chemistry with labs.</li> <li>One year of organic chemistry with labs.</li> <li>One year of physics with labs.</li> <li>One year of English/composition courses (discipline-specific 291W/391W courses are accepted).</li> <li>Mathematics (varies with programs; usually two semesters of mathematics required).</li> </ul> <p>Students interested in pre-med or physician assistant should refer to the course catalog and work closely with an advisor.</p>	
<b>Pre-Optometry</b>	<p>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.</p>	
<b>Pre-Pharmacy</b>	<p>The following coursework is generally required for admission to pharmacy school:</p> <ul style="list-style-type: none"> <li>Two semesters of biology with labs.</li> <li>One semester of microbiology with lab.</li> <li>One semester of anatomy and physiology with lab.</li> <li>Two semesters of inorganic/general chemistry with labs.</li> <li>Two semesters of organic chemistry with labs.</li> <li>One semester of calculus.</li> <li>One semester of statistics.</li> </ul>	

<b>Major</b>	<b>Pre-Requisite or Required Major General Education Requirements</b>	<b>Pre-Requisite or Entry-Level Core Major Courses</b>
		<p>Two semesters of physics with labs.  Two semesters of English/composition courses (discipline-specific 291W courses are accepted).  Students interested in pre-pharmacy should refer to the course catalog and work closely with an advisor.</p>
<b>Pre-Physical Therapy</b>		<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:  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.  Students interested in pre-physical therapy should refer to the course catalog and work closely with an advisor.</p>
<b>Pre-Veterinary Medicine</b>		<p>Pre-veterinary students typically follow degree tracks for biological sciences (cellular/molecular/genetics track) or chemistry &amp; 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:  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.  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>
<b>Pre-Wildlife Management</b>		<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</p>

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Entry-Level Core Major Courses
	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.	
<b>Psychological Science, B.A. and B.S.</b>	PSY 100 (SB) STA 205 (QR)	
<b>Public Relations, B.A.</b>	CMST 101 (OC) or CMST 110 (OC) JOU 110 (SB) or EMB 100 (AH)	JOU 220: News Writing ( <i>pre-req: C or better in ENG 101</i> ) CMST 220: Interpersonal Communication
<b>Radiation Therapy, B.S.</b>	BIO 208/208L (SL) PHY 110 (SL) ENG 101 (WC) MAT 129 (QR)	
<b>Radiologic Science, B.S.</b>	BIO 208/208L (SL) PHY 110 (SL) or CHE 115 (NS) ENG 101 (WC) STA 205 (QR)	BIO 209/209L: Human Anatomy and Physiology II
<b>Respiratory Care, B.S.</b>	CHE 115/155L (SL) STA 205 (QR) BIO 208/208L (SL)	HSC 101: Intro to Health Professions BIO 209/209L: Human Anatomy and Physiology II BIO 202/202L: Microbiology for Health Professionals  Note: Will require HSC291W instead of ENG 102 once admitted to program
<b>Secondary (8-12) Education, B.A.</b>	EDU 316 (SB) PSY 100 (SB) CMST 101 (OC) ENG 101 (WC) ENG 102 (WC)	EDU 104: Orientation to Education EDU 305: Intro to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
<b>Social Studies with a Secondary Education Certification, B.A.</b>	GEO 100 (AH) HIS 102 (AH) HIS 103 (AH) ANT 100 (SB) or ANT 201 (SB) PSC 100 (SB) PSC 102 (AH) or PSC 103 (AH) PSY 100 (SB) SOC 100 (SB) EDU 316 (SB)	HIS 100: History of Europe to 1500 HIS 101 History of Europe since 1500 HIS 108: World History to 1500 HIS 109 World History since 1500  EDU 104: Orientation to Education EDU 305: Intro to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
<b>Social Work, B.S.W.</b>	SWK 105 (SB) SWK 106 (AH)	

Major	Pre-Requisite or Required Major General Education Requirements	Pre-Requisite or Entry-Level Core Major Courses
	STA 205 (QR) or STA 113 (QR) BIO 120 (NS) or BIO 123 (NS) or BIO 125 (NS) or BIO 126 (NS) or BIO 208/208L (SL)	
<b>Sociology, B.S.</b>	SOC 100 (SB)	
<b>Spanish, B.A.</b>	Optional: ANT 245 (SB)	SPI 201: Intermediate Spanish I ( <i>Pre-Req: must have completed SPPI 102, equivalent prior study, or placement test</i> ) SPI 202: Intermediate Spanish II
<b>Special Education, B.A.</b>	EDU 316 (SB)	EDU 104: Orientation to Education EDU 305: Intro to Education EDU 300: Human Growth and Development EDU 594: Education Capstone (Must be taken at a participating high school)
<b>Statistics, B.S.</b>	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
<b>Theatre in World Cultures, B.A.</b>		TAR 245: Intro to Theatre in World Cultures
<b>Theatre, B.A.</b>		TAR 110: Acting I
<b>Theatre – Stage Management, B.F.A.</b>		TAR 110: Acting I TAR 130: Musical Skills for the Musical Theatre TAR 265: Fundamentals of Theatrical Design
<b>Theatre – Design or Technology, B.F.A.</b>	TAR 165 (AH)	TAR 110: Acting I TAR 265: Fundamentals of Theatrical Design
<b>Theatre – Theatre Performance, B.F.A.</b>		TAR 110: Acting I <i>Note: Additional offerings dependent based on chosen track (acting, dance, musical theatre, playwriting)</i>
<b>Visual Arts, (B.A., B.F.A., and B.S.)</b>	ART 291W (WC)	ARTH 100: History of Art – Renaissance Modernism ARTH 101: History of Art – Prehistoric through Goth
<b>Visual Communication Design, (B.A. and B.F.A.)</b>	ART 291W (WC)	ARTH 100: History of Art – Renaissance Modernism For BA only: ARTH 101: History of Art – Prehistoric through Goth