

Agricultural and Medical Biotechnology

College of Agriculture, Food & Environment



N6 Agricultural Science Center Contact: Wayne Centers - dsr@uky.edu

Many interests, one biotech degree—the agricultural and medical biotechnology degree brings together students with a large range of interests to use science to improve our lives in the world today. Whether you are genetically engineering drought resistance crops or developing treatments for a genetic disease, basic scientific concepts, problem solving and critical thinking skills are needed to solve today's health and agricultural problems. Our degree combines critical thinking and hands-on learning with instruction in genetics, molecular biology, genetic engineering, chemistry, and biology, to train students in the scientific investigation process.

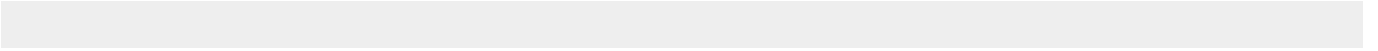
Total Hours Required for Degree: 120 - 128

Freshman Year Credit Hours: 31

FALL SEMESTER	16	SPRING SEMESTER	15
ABT 101 ABT 101 - INTRODUCTION TO BIOTECHNOLOGY	1	UK Core - Comp. & Comm. II	3
GEN 100 GEN 100 - ISSUES IN AGRICULTURE, FOOD AND ENVIRONMENT	3	CHE 107 CHE 107 - GENERAL COLLEGE CHEMISTRY II	3
CHE 105 CHE 105 - GENERAL COLLEGE CHEMISTRY I	4	CHE 113 CHE 113 - GENERAL CHEMISTRY II LABORATORY	2
CHE 111 CHE 111 - GENERAL CHEMISTRY I LABORATORY	1	ABT 120 ABT 120 - GENETICS AND SOCIETY	3
UK Core - Comp. & Comm. I	3	BIO 148 BIO 148 - INTRODUCTORY BIOLOGY I	3
MA 123 or MA 113 or MA 137	4	BIO 155 BIO 155 - LABORATORY FOR INTRODUCTORY BIOLOGY I	1

Sophomore Year Credit Hours: 29 - 32

FALL SEMESTER	15	SPRING SEMESTER	14 - 17
CHE 230 CHE 230 - ORGANIC CHEMISTRY I	3	CHE 232 CHE 232 - ORGANIC CHEMISTRY II	3
CHE 231 CHE 231 - ORGANIC CHEMISTRY LABORATORY I	1	CHE 233 CHE 233 - ORGANIC CHEMISTRY LABORATORY II	1
BIO 152 BIO 152 - PRINCIPLES OF BIOLOGY II	3	UK Core - Statistical Inferential Reason	3
ABT 201 ABT 201 - SCIENTIFIC METHOD IN BIOTECHNOLOGY	1	UK Core - Social Sciences	3
UK Core - Arts and Creativity	3	UK Core - Humanities	3
Elective	4	Elective	1 - 4



Junior Year Credit Hours: 32

FALL SEMESTER	16	SPRING SEMESTER	16
PHY 211 PHY 211 - GENERAL PHYSICS	5	BCH 401G BCH 401G - FUNDAMENTALS OF BIOCHEMISTRY	3
ABT 360 ABT 360 - GENETICS	3	BIO 308 BIO 308 - GENERAL MICROBIOLOGY	3
ABT 301 ABT 301 - WRITING AND PRESENTATIONS IN THE LIFE SCIENCES	2	BIO 309 BIO 309 - MICROBIOLOGY LABORATORY	2
UK Core - Global Dynamics	3	PHY 213 PHY 213 - GENERAL PHYSICS	5
Specialty Support	3	Specialty Support	3

Senior Year Credit Hours: 27 - 33

FALL SEMESTER	12 - 18	SPRING SEMESTER	15
ABT 495 ABT 495 - EXPERIMENTAL METHODS IN BIOTECHNOLOGY	4	ABT 460 ABT 460 - INTRODUCTION TO MOLECULAR GENETICS	3
ABT 395 ABT 395 - INDEPENDENT STUDY IN BIOTECHNOLOGY	1 - 4	ABT 461G ABT 461G - INTRODUCTION TO POPULATION GENETICS	3
Specialty Support	3	Specialty Support	3
Specialty Support	3	Specialty Support	3
Elective	1 - 4	Specialty Support	3

University of Kentucky is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or online at www.sacscoc.org for questions about the accreditation of University of Kentucky.

Current UK students: Please login to <http://myUK.uky.edu> to access your personalized major map and degree audit via the Graduation Planning System (GPS). This major map is the curriculum requirements for completion of the degree program only and is not a personalized audit based on your completed coursework. This major map does not reflect entrance requirements for selective majors. Please consult with the college to learn more about admission to this major.