



## Associate of Applied Science LABORATORY BIOTECHNOLOGY 2012-2014

The Laboratory Biotechnology program is designed to train you as a laboratory technician with industrial, medical, or research laboratories. The program provides a practical background and experience with the techniques and instruments used for the isolation and analysis of biomedical and biotechnological samples.

Students in this program may participate in internships with the National Center for Genome Research (NCGR) in Santa Fe or in similar summer institutes at universities throughout the nation.

### **GENERAL EDUCATION (25 CR) SEE PAGES 25-28.**

#### **Area I. Communications (6 cr)**

#### **Areas II and III. Mathematics/Computers/Laboratory Science (6 cr)**

MATH	145	Introduction to Probability and Statistics (3)
MATH	150	College Algebra (3)

#### **Area IV. Social/Behavioral Sciences (3 cr) Area V. Humanities and Fine Arts (9 cr)**

HUM	100	FYE: History and Culture of Northern New Mexico (3)
PHIL	110	Introduction to Philosophical Problems (3)
PHIL	220	Ethics (3)

#### **Area VI. Library Technology (1 cr)**

LT	101	Library Research Skills (1)
----	-----	-----------------------------

### **PROGRAM REQUIREMENTS (43 CR)**

BIOL	201/L	Principles of Molecular and Cell Biology with lab (4)
BIOL	202/L	Principles of Genetics with lab (4)
BIOL	160/L	Biotechnology Seminar I (4)
BIOL	210/L	Microbiology with lab (4)
BIOL	260/L	Biotechnology Seminar II with lab (4)
BIOL	290	Undergraduate Research Experience I (3)
BIOL	292	Undergraduate Research Experience II (3)
CHEM	121/L	General Chemistry I with lab (4)
CHEM	122/L	General Chemistry II with lab (4)
CHEM	210/L	Integrated Organic & Biochemistry (4)
ES	134	OSHA Health/Safety (3)
HSCI	125	Medical Terminology (2)

**TOTAL CREDITS: 68**