



What is Biotechnology?

Biotechnology is the use of living systems and organisms to develop or make useful products, or any technological application that uses biological systems, living organisms to make or modify products or processes for a specific use.

Opportunities

A graduate degree in biotechnology can offer a variety of career choices and opportunities. In the U.S. there are more than 1,700 biotech companies and more than 340 of them are located in Georgia. Below are opportunities that graduates can pursue after completing a graduate degree in biotechnology.

- Lab Researcher
- Crime Lab Technician
- Quality Control Analyst
- Engineer
- Pharmaceutical Sales
- Research Specialists
- Laboratory Managers
- Teachers

Biotechnology Faculty

BISWAS, BIPUL K., Research Professional, Genetics and Plant Biotechnology, Ph.D., 2002, University of Delhi, Delhi, India.

DODD, CELIA, Assistant Professor of Biology, Specialty Neurotoxicology Toxicology PhD 2009, Virginia Tech, Blacksburg, VA.

GOSUKONDA, RAMANA, Associate Professor of Plant Science. PhD 1998, Alabama A&M University, Normal, AL.

JOSHEE, NIRMAL, Associate Professor of Plant Science, Specialty Plant Biotechnology, PhD 1987, North East Hill University, Shillong, Meghalaya, India.

LIU, XUANLI, Research Professional AD, Specialty Economics and Quantitative Methods, PhD 2002, University of Nebraska-Lincoln, Lincoln, NE.

MAHAPATRA, AJIT K., Assistant Professor, Agricultural Engineering, PhD 1991, Hungarian Academy of Sciences, Budapest, Hungary.

MBATA, GEORGE, Professor of Biology, Specialty Crop Entomology, PhD 1982, University of Ibadan, Ibadan, Nigeria.

McCOMMON, GEORGE W., Associate Professor, Veterinary Technology, DVM 1990, the University of Georgia, Athens, GA.

SINGH, HARI P., Assistant Professor of Plant Science, PhD, 1997, N.D. University of Agriculture & Technology, Uttar Pradesh, India, PDF, 1998, University of Bristol, United Kingdom, PDF, 2003, University of Georgia, Athens, GA.

SURRENCY, JACQUES, Assistant Professor of Plant and Environmental Soil Science, PhD, 2002, Alabama A&M University, Huntsville, AL.

WANG, HAIXIN, Assistant Professor of Mathematics and Computer Science, Bioinformatics, PhD, 2008, Prairie View A&M University, Prairie View, TX.

WESSINGER, ERIC W., Professor of Biotechnology, Industrial Biotechnology, PhD 1985, Purdue University, West Lafayette, IN. (Adjunct)



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**FORT VALLEY
STATE UNIVERSITY**
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BIOTECHNOLOGY

Master of Science Program



Why Fort Valley State University?

Fort Valley State University's College of Agriculture, Family Sciences and Technology is the only public school in Georgia to offer the Master of Science in biotechnology with the following program options:

- Animal biotechnology
- Applied biotechnology
- Plant biotechnology

Admission Requirements

- Hold a Bachelor of Science degree or an equivalent degree.
- Complete undergraduate courses in agriculture, biology, chemistry, biochemistry, genetics or other science related areas.

*Accomplished and determined students from social sciences and business or economics are encouraged to apply.

Program Requirements

The Master of Science in biotechnology requires 36 credit hours (including 6 credit hours for a research thesis) which full-time students can complete within two years. All graduate students are required to enroll only during fall or spring semesters. Part-time students and non-traditional students are encouraged to apply.

Application Requirements

- GRE score of 800 or higher (required for international students only)
- New GRE 150 or MAT score 395
- 2.7 GPA or higher on a 4.0 scale
- TOEFL score (for international students whose native language is not English of at least 500) or IELTS score is 6. GRE and TOEFL scores should be sent FVSU's College of Graduate Studies directly from the Educational Testing Service (ETS). FVSU institution code: R5220

- Official college transcripts and immunization form
- Three letters of recommendation, resume and personal statement
- Completed application and \$20 non-refundable processing fee (\$75 foreign students) submitted to the College of Graduate Studies

*Download application at ag.fvsu.edu/index.php/departments/graduate-studies/biotechnology.

Application deadlines

Domestic

Spring – December 1st

Fall – July 1st

International

Spring – October 1st

Fall – May 1st

Financial Assistance

Selected full-time students can apply for a teaching/research assistantship. Those who are selected will assist professors with research and with undergraduate, graduate and lecture/lab courses. Annually biotech students receive a \$15,000 stipend. Teaching assistantships (partial or full) are offered to outstanding applicants at the time of admission. The assistantships are assigned by respective departments and are based on availability and recommendations from supervisors and members of the graduate committee. Test scores and academic transcripts are considered.



For more information, contact Dr. Nirmal Joshee, program coordinator at:

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