

## U-MASS BIOTECH CERTIFICATE PROGRAM

Application for Admission: Complete this form and retain a copy. The submitted form will serve as your application. Once you have completed and are enrolled in all the required courses, complete the remainder of the form which will be used to verify completion of all requirements. Return all forms to John Burand in the Department of Plant Soil and Insect Science Rm 202A Fernald Hall. Email: jburand@microbio.umass.edu

### APPLICANT INFORMATION

Last Name	First	M.I.	Date
Campus Address		Apartment/Unit #	
City	State	ZIP	
Permanent Address		Apartment/Unit #	
City	State	ZIP	
Phone	E-mail Address		
Major	Exp Grad Date	U-Mass ID#	
Date application/ courses completed		Approved by:	

### REQUIRED COURSES TAKEN

*One of the following introductory courses is required:*

PLSOILIN 290A (3cr) – Principles of Modern Biotechnology	Grade:
Term/Year Taken:	Approved by:
BIOLOGY 285 (3cr) - Cellular & Molecular Biology	Grade:
Date Taken:	Approved by:
ANIMLSCI 200 (3cr) - Animal Cell & Molecular Biology	Grade:
Date Taken:	Approved by:
Other:	Grade:
Date Taken:	Approved by:

### REQUIRED LABORATORY COURSES TAKEN

*The following is a required laboratory course:*

PLSOILIN/ MICROBIO /ANIMLSCI 385 (4cr) – Laboratory in Biotechnology	Grade:
Date Taken:	Approved by:

### REQUIRED INDEPENDENT STUDY OR INTERNSHIP TAKEN

*A laboratory based independent study or internship (3 credits minimum): **This must have prior approval program director***

Title and Course Number:	Grade:
Date Taken:	Advisor:
Description:	Approved by:

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**REQUIRED COURSES TAKEN**

*A minimum of 5 credits of biotechnology related courses (see list below of approved courses):*

Title and Course Number:

Grade:

Date Taken:

Approved by:

Title and Course Number:

Grade:

Date Taken:

Approved by:

Title and Course Number:

Grade:

Date Taken:

Approved by:

Title and Course Number:

Grade:

Date Taken:

Approved by:

MICROBIO 310 (3cr) - General Microbiology – Taught Spring and Fall Semester  
MICROBIO 312 (3cr) - General Microbiology Lab– Taught Spring and Fall Semester  
PLNTSOIL 597A (3cr) - Phyto/Bioremediation - Taught alternate Fall Semesters  
PLSOILIN 397T (3cr) – Molecular Systematics – Taught (alternate) Spring Semester  
ENTOMOL 574 (3cr) - Medical Entomology - Taught every Spring Semester  
MICROBIO 540 (3cr) – Immunology – Taught every Spring Semester  
MICROBIO 542 (3cr) – Immunology Lab – Taught every Spring Semester  
MICROBIO 570 (3cr) - Animal Virology – Taught every Spring Semester  
MICROBIO 480 (3cr) - Microbial Physiology - Taught every Spring Semester  
MICROBIO 590S (3cr) – Parasitology – Taught every Spring Semester  
BIOLOGY 283 (3cr) – General Genetics – Taught every Spring Semester  
BIOLOGY 510 (3cr) – Plant Physiology – Taught every Spring Semester  
ANIMLSKI 590C (2cr) – Bio-safety Principles and Practices

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**DISCLAIMER AND SIGNATURE**

Students must submit this application form for the certificate program and in so doing agree to have their transcripts made available to the program director for approval. **Once you have completed and are enrolled in all the required courses, complete the remainder of the form which will be used to verify completion of all requirements.**

Signature

Date

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