

**THE GEORGE WASHINGTON UNIVERSITY
SECONDARY EDUCATION CONTENT AREA
PREPARATION DOCUMENTATION FORM
BIOLOGY**

Revised: 1/28/12

NAME _____ SSN _____

ADDRESS _____

CITY _____ State _____ ZIP _____

PHONE NUMBER (Work) _____ (Home) _____

Email _____ Fax _____

It is expected that an applicant to the Master's degree in secondary biology education will have a strong background in biology. Specifically, it is expected that an applicant will have the minimum of an undergraduate degree in biology or the equivalent. In addition, it is expected that the applicant's undergraduate program of studies should have included biology content that is consistent with the content area standards proposed by the District of Columbia Teacher Certification and Licensing Office.

Undergraduate Major in Biology	Yes	No
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Science Deficiencies (Advisor's use only)

Advisor's Comments:

Part I

The requirements for licensure in Biology are listed below; students must take any missing subject area coursework prior to completing the teacher preparation program.

Directions: Please list on this form the courses you have taken which you believe correspond to the requirements for secondary education licensure in Biology. Be sure to indicate the entire title of the course as listed on your transcript. Do not write in the Advisor's Approval Column.

LICENSURE REQUIREMENTS FOR BIOLOGY:

Must include at least one course each in genetics, evolution, and environmental science (total = 9 hours) and 15 hours of other biology courses.

Genetics (BI) – 3 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____

Evolution (BI) – 3 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____

Environmental Science (ES) – 3 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____

Other Biology (BI) – 15 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

General Chemistry (GC) – 3 to 4 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Organic Chemistry (OC) - 3 to 4 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Physics (PH) – 3 to 4 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Math (MA) - 6 hours of coursework

Title of Course	Hours/ Credits	Date Taken	Grade Received	Advisor's Approval
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

List and describe an undergraduate or graduate course or professional experience that included substantial research experiences. Supply information that demonstrates your knowledge of research design, your ability to do, analyze and report research results, as well as your ability to use mathematics to process and interpret data.

Title of Course or Employment: _____

Hours/Credits or Number of Years in a Professional Research Role: _____

Range of Dates for the Course or Experience: _____

Grade Received, if Applicable, or Research Publications, Presentations, or Other Evidence of Work Completed:

GWU Advisor's Approval: _____

In the spaces below, please describe how an undergraduate or graduate course or professional role provided you experience in:

- Designing your own research in a science related field

- Conducting your own research in a science related field

- Using mathematics to analyze the data for your own scientific research

- Reporting on your own research in a science related field (cite any papers, published work or theses)

Total Credits Required for Chemistry licensure – 39 hours

Applicants signature: _____ Date: _____