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## Minor in Molecular Biology Student/Advisor Worksheet

1) Required course work (List appropriate information in the space provided)

- \_\_\_\_\_ Grade point average (2.0 minimum required):
- \_\_\_\_\_ Biochemistry (CHM 332, 432 or 433)
- \_\_\_\_\_ Cell Biology (BOT 203, MBI 201, ZOO 203, or ZOO 443)
- \_\_\_\_\_ Molecular Biology (CHM 434; MBI 365 or ZOO 444)
- \_\_\_\_\_ Laboratory Experience (BOT 415, CHM 438, MBI 465, ZOO 464 or two credits of directed research in molecular biology)
- \_\_\_\_\_ Departmental approval of research plan (students doing directed research in molecular biology should have their proposed research experience evaluated by their departmental representative **at the time they initiate their research** and must have formal approval from their departmental representative **at least one semester prior to graduation**).

2) One approved course in each of three of the four departments (List appropriate courses in the space provided)

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|--------------------|----------------------------------|
| _____ Botany       | _____ Chemistry and Biochemistry |
| _____ Microbiology | _____ Zoology                    |

3) Eighteen semester hours of approved courses (Check all that apply and list total hours \_\_\_\_\_ ):

- \_\_\_\_\_ BMZ 424 Biological Instrumentation (4)
- \_\_\_\_\_ BOT 203: Introduction to Plant Cell and Molecular Biology (4)
- \_\_\_\_\_ BOT 255: Plant Biotechnology (3)
- \_\_\_\_\_ BOT 342: Genetics (3)
- \_\_\_\_\_ BOT 403: Plant Development (3)
- \_\_\_\_\_ BOT 415: Plant Tissue Culture/Plant Biotech Laboratory (4)
- \_\_\_\_\_ CHM 332: Outlines of Biochemistry (4)
- \_\_\_\_\_ CHM 432: Fundamentals of Biochemistry (4)
- \_\_\_\_\_ CHM 433: Biochemistry (3)
- \_\_\_\_\_ CHM 434: Biochemistry (3)
- \_\_\_\_\_ CHM 438: Biochemistry Laboratory (2)
- \_\_\_\_\_ MBI 201: General Microbiology (4)
- \_\_\_\_\_ MBI 365: Molecular and Cellular Biology (3)
- \_\_\_\_\_ MBI 414/5: Immunology Principles (and Practice) (3-4)
- \_\_\_\_\_ MBI 425: Microbial Physiology (4)
- \_\_\_\_\_ MBI 445: Microbial Genetics (3)
- \_\_\_\_\_ MBI 464: Human Viruses (3)
- \_\_\_\_\_ MBI 465: Microbial and Molecular Genetics Laboratory (2)
- \_\_\_\_\_ ZOO 202: Developmental Biology (4)
- \_\_\_\_\_ ZOO 203: Introduction to Cell Biology (3)
- \_\_\_\_\_ ZOO 342: Genetics (3)
- \_\_\_\_\_ ZOO 464: Laboratory in Cell and Molecular Biology (3)
- \_\_\_\_\_ ZOO 442: Mechanisms of Animal Development (3)
- \_\_\_\_\_ ZOO 443: Cell Biology (3)
- \_\_\_\_\_ ZOO 444: Molecular Biology (3)
- \_\_\_\_\_ ZOO 449: Biology of Cancer (3)
- \_\_\_\_\_ ZOO 471: Molecular Physiology (3)

**Note:** Any individual course can be used to fulfill minor requirements and major requirements except that cross-listed courses cannot count as an out of department course for the minor and for the major (e.g. BOT/ZOO342).

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