**Bowdoin College**

**Goldwater Scholarship Initial Application**

**Description of Research Projects**

**DIRECTIONS**

In reverse chronological order (from most recent to least recent), list up to five (5) research projects you consider to be your most significant work associated with your interests in the sciences, mathematics or engineering. In general, class projects and projects done in high school do not rise to a level of work that should be reported. An exception would be work associated with a high school or class project that developed into a long-term project, particularly those projects that involve a continuing collaboration with a faculty mentor.

Include papers, publications, and any presentations associated with each project that are reported at campus, regional, national or international conferences. In general, a paper or presentation done solely for a lecture class does not rise to a level of work that should be reported here.

\*Note: Specific research skills you have acquired while working on these projects – or in other venues – should be listed in the “Research Skills” document (e.g., lab, analytical, numerical skills, etc.).

Please save your research projects as a single PDF and upload the document to your Goldwater Scholarship initial application in Qualtrics. If you have less than 5 research projects to list, please delete any blank pages in the document before saving as a PDF.

**CITATION EXAMPLES**

Please use the following citation format (layout and punctuation) for published works - Author(s) last name and initials. Date. Article title. Journal title, Volume (issue): page numbers.

Example: Doe M, Smith JD, and Decher JJ. 2017. Energy Dependence of Fusion Evaporation-Residue Cross Sections. Phys. Rev. C. 42(11): 1-10.

Please use the following citation style (layout and format) for papers presented at meetings - Author(s) last name and initials.  Title of Paper. Paper/poster session presented at: Name of Conference; Date of Conference (Year, Month, day); Place of Conference (City, Country).

Example: Doe M, Smith JD, and Ray SM. Energy dependence of fusion evaporation-residue cross sections. Poster session presented at: 76th Annual Conference of the American Physical Society; 2016 June 3-5; Houston, TX.

*These citations were taken from*[*http://www.scientificstyleandformat.org/Tools/SSF-Citation-Quick-Guide.html*](http://www.scientificstyleandformat.org/Tools/SSF-Citation-Quick-Guide.html)

**Research Project #1**

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| **Your Name** |       |
| **Project Title** |       |
| **Starting Month** |       |
| **Starting Year***(format: yyyy)* |       |
| **Ongoing** | [ ]  YES [ ]  NO (If no, enter end date)       |
| **Average Hours/Week (Academic Year)** |       |
| **Average Hours/Week (Summer)** |       |
| **Name of Project Mentor***(list up to 3 mentors for project)* |       |
| **Title of Project Mentor***(ex: Dr., Professor, Director)* |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |

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| **Description of research, including your involvement in AND contribution to the project.***(1000 character limit including spaces)*      |
| **Do you or will you have PAPERS/PUBLICATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the publications associated with this work below.*** |
| ***1*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation****(300 character limit including spaces)* |  |
| **Do you or will you have PRESENTATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the presentations associated with this work below.*** |
| ***1*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International*  |
| ***Presentation Type***  | *[ ]  Oral [ ]  Poster* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation****(300 character limit including spaces)* |  |

**Research Project #2**

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| **Your Name** |       |
| **Project Title** |       |
| **Starting Month** |       |
| **Starting Year***(format: yyyy)* |       |
| **Ongoing** | [ ]  YES [ ]  NO (If no, enter end date)       |
| **Average Hours/Week (Academic Year)** |       |
| **Average Hours/Week (Summer)** |       |
| **Name of Project Mentor***(list up to 3 mentors for project)* |       |
| **Title of Project Mentor***(ex: Dr., Professor, Director)* |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |

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| **Description of research, including your involvement in AND contribution to the project.***(1000 character limit including spaces)*      |
| **Do you or will you have PAPERS/PUBLICATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the publications associated with this work below.*** |
| ***1*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation****(300 character limit including spaces)* |  |
| **Do you or will you have PRESENTATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the presentations associated with this work below.*** |
| ***1*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International*  |
| ***Presentation Type***  | *[ ]  Oral [ ]  Poster* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation****(300 character limit including spaces)* |  |

**Research Project #3**

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| **Your Name** |       |
| **Project Title** |       |
| **Starting Month** |       |
| **Starting Year***(format: yyyy)* |       |
| **Ongoing** | [ ]  YES [ ]  NO (If no, enter end date)       |
| **Average Hours/Week (Academic Year)** |       |
| **Average Hours/Week (Summer)** |       |
| **Name of Project Mentor***(list up to 3 mentors for project)* |       |
| **Title of Project Mentor***(ex: Dr., Professor, Director)* |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |

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| **Description of research, including your involvement in AND contribution to the project.***(1000 character limit including spaces)*      |
| **Do you or will you have PAPERS/PUBLICATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the publications associated with this work below.*** |
| ***1*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation****(300 character limit including spaces)* |  |
| **Do you or will you have PRESENTATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the presentations associated with this work below.*** |
| ***1*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International*  |
| ***Presentation Type***  | *[ ]  Oral [ ]  Poster* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation****(300 character limit including spaces)* |  |

**Research Project #4**

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| **Your Name** |       |
| **Project Title** |       |
| **Starting Month** |       |
| **Starting Year***(format: yyyy)* |       |
| **Ongoing** | [ ]  YES [ ]  NO (If no, enter end date)       |
| **Average Hours/Week (Academic Year)** |       |
| **Average Hours/Week (Summer)** |       |
| **Name of Project Mentor***(list up to 3 mentors for project)* |       |
| **Title of Project Mentor***(ex: Dr., Professor, Director)* |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |

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| **Description of research, including your involvement in AND contribution to the project.***(1000 character limit including spaces)*      |
| **Do you or will you have PAPERS/PUBLICATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the publications associated with this work below.*** |
| ***1*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation****(300 character limit including spaces)* |  |
| **Do you or will you have PRESENTATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the presentations associated with this work below.*** |
| ***1*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International*  |
| ***Presentation Type***  | *[ ]  Oral [ ]  Poster* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation****(300 character limit including spaces)* |  |

**Research Project #5**

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| **Your Name** |       |
| **Project Title** |       |
| **Starting Month** |       |
| **Starting Year***(format: yyyy)* |       |
| **Ongoing** | [ ]  YES [ ]  NO (If no, enter end date)       |
| **Average Hours/Week (Academic Year)** |       |
| **Average Hours/Week (Summer)** |       |
| **Name of Project Mentor***(list up to 3 mentors for project)* |       |
| **Title of Project Mentor***(ex: Dr., Professor, Director)* |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |
| **Name of Project Mentor** |       |
| **Title of Project Mentor** |       |

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| **Description of research, including your involvement in AND contribution to the project.***(1000 character limit including spaces)*      |
| **Do you or will you have PAPERS/PUBLICATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the publications associated with this work below.*** |
| ***1*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Published [ ]  Accepted (in press) [ ]  Submitted* |
| ***Citation****(300 character limit including spaces)* |  |
| **Do you or will you have PRESENTATIONS associated with this research project?** | [ ]  YES [ ]  NO |
| ***\*If yes, please list the presentations associated with this work below.*** |
| ***1*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International*  |
| ***Presentation Type***  | *[ ]  Oral [ ]  Poster* |
| ***Citation***  *(300 character limit including spaces)*  |  |
| ***2*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation*** *(300 character limit including spaces)*  |  |
| ***3*** | *[ ]  Campus [ ]  Regional [ ]  National [ ]  International* |
| ***Presentation Type*** | *[ ]  Oral [ ]  Poster* |
| ***Citation****(300 character limit including spaces)* |  |