

## Departmental Supplement Student Academic Advising

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Student Name

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Student ID

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Class Year

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Major/Minor

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Print name of Pre-Major Advisor or Current Advisor

The purpose of academic advising is to assist you in accomplishing the following:

- Understand the nature and purpose of higher education
- Clarify your values and goals for your education
- Provide you with information about educational options, requirements, policies, and procedures.
- Plan an educational program consistent with your abilities and interests.
- Monitor and evaluate your own educational progress on a regular basis.
- Connect your particular educational needs and aspirations with the resources available at Smith.

With these goals in mind, the Picker Engineering Program seeks to match engineering majors/minors with faculty advisors. In order to assure quality advising for each student, faculty members have set a cap to ensure they do not advise too many students at one time. This means you may not be matched with your first choice, and you will be matched with someone who has time for you.

The following table provides information about faculty in the department to help with your selection. While there may be other intangibles that factor into your decision, such as comfort level or personality compatibility, it is important to remain open to faculty you may not (yet) know well but who are well-equipped to advise you.

Please rank your top **five choices** in the table below and submit the completed form to our Program Assistant in Ford Hall 155.

\*More detailed bios are available on our website: <https://www.smith.edu/engineering/faculty.php>

**Departmental Supplement**  
 Student Academic Advising

| Rank | Name              | Engineering & Research Areas*   | Other Appointment & Interests  |
|------|-------------------|---|--|
|      | Judith Cardell    | Electrical Engineering, Electric Power Systems, Energy Policy, Renewable Energy, Technology and Policy. | Computer Science, JYA Advisor  |
|      | Glenn Ellis       | Civil Engineering; Engineering Education; Geotechnical Engineering                                      | Education<br>Tau Beta Kappa Advisor                                    |
|      | Drew Guswa        | Civil and Environmental Engineering; Hydrology and Water Resources                                      | Program Director, Environmental Science and Policy, Landscape Studies  |
|      | Susannah Howe     | Civil Engineering; Engineering Design; Structural Engineering; Entrepreneurship                         | Center for Community Collaboration, Global Studies Center, SWE Advisor |
|      | Niveen Ismail     | Environmental Engineering   | Engineers Without Borders Advisor                                      |
|      | Michael Kinsinger | Chemical Engineering, Materials Science   |  |
|      | Kevin Huang       | Electrical Engineering - Systems, Controls, and Robotics  | STEM outreach (particularly robotics)                                  |
|      | Borjana Mikic     | Mechanical and Biomedical Engineering; Orthopedic Biomechanics  |  |
|      | Sarah Moore       | Bioengineering, Chemical Engineering, Protein Engineering   |  |
|      | Paul Voss         | Mechanical and Aerospace Engineering, Air Pollution & Atmospheric Transport; Air Quality                |  |
|      | Susan Voss        | Electrical Engineering, Biomedical Engineering Speech and Hearing                                       | National Society of Black Engineers Advisor                            |

## Prematriculation Credit

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| Check here if you would like to apply AB/IB/IC credit towards your engineering major. If an exam is not listed, that means that it cannot count toward the engineering requirements. |
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**Check the credits below you would like to apply towards your degree.**

| Advanced Placement Exam (Score of 4 or 5) | EGR Requirement Satisfied |
|---|---------------------------|
| Biology                                   | Additional Lab Science    |
| Calculus AB                               | MTH 111                   |
| Calculus BC                               | MTH 111 & 112             |
| Chemistry                                 | CHM 111                   |
| Physics C: Mechanics                      | PHY 117                   |
| Physics C: E&M                            | PHY 118                   |

| International Baccalaureate Higher Level Exam (Score of 5,6 or 7) | EGR Requirement Satisfied |
|---|---------------------------|
| Chemistry   | CHM 111                   |
| Mathematics   | MTH 111 & 112             |
| Biology   | Additional Lab Science    |

| International Cambridge A Level Exam (Score of A or B) | EGR Requirement Satisfied |
|--|---------------------------|
| Chemistry  | CHM 111                   |
| Mathematics  | MTH 111 & 112             |
| Biology  | Additional Lab Science    |