VSTAR Overview

• Meet the Agricultural and Biological Engineering (ABE) Academic Programs Staff

• Review Degree Programs offered by ABE

• Review the VSTAR registration process for ABE

• Note upcoming events and important next steps
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- VSTAR Advisor for ASM
- Study Abroad
- Internships/Co-Op/Placement
- CODO, Academic Programs Committee, ABET
- General Questions about Undergraduate Programs
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- VSTAR Advisor for Pre-ABE
- Academic Issues
- Personal Issues
- Registration
- University Resources
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- Weekly Newsletter
- Schedule Issues
- Holds/Registration Issues
- General Issues
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- Recruitment
- Scholarships
- General Issues
ABE Undergraduate Degree Options

Bachelor of Science, BS

Bachelor of Science in Agricultural Engineering, BSAGE

Bachelor of Science in Biological Engineering, BSBE
Bachelor of Science, BS
Agricultural Systems Management

With optional concentrations in

• AgroSecurity
• Data and Information Systems
• Leadership and Management
### ASM - Typical First Year Courses

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 1&lt;sup&gt;st&lt;/sup&gt; Semester</th>
<th>Spring 1&lt;sup&gt;st&lt;/sup&gt; Semester</th>
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</thead>
<tbody>
<tr>
<td>.5</td>
<td><strong>AGR 101</strong> Introduction to the College of Agriculture and Purdue University</td>
<td>3 <strong>ASM 10500</strong> Computing Technology With Applications</td>
</tr>
<tr>
<td>.5</td>
<td><strong>AGR 11100</strong> Introduction to Agricultural and Biological Engineering Academic Programs</td>
<td>3 <strong>CHM 11200</strong> General Chemistry II</td>
</tr>
<tr>
<td>3</td>
<td><strong>ASM 10400</strong> Introduction to Agricultural Systems</td>
<td>3 <strong>PHYS 21400</strong> The Nature of Physics</td>
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<tr>
<td>3</td>
<td><strong>CHM 11100</strong> General Chemistry I</td>
<td>3 <strong>Economics Selective</strong></td>
</tr>
<tr>
<td>3</td>
<td><strong>MA 16010</strong> Applied Calculus I</td>
<td>3-4 <strong>Written Communication Selective</strong></td>
</tr>
<tr>
<td>3</td>
<td><strong>Human Cultures: Humanities Selective</strong></td>
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<tr>
<td>3</td>
<td><strong>Oral Communication Selective</strong></td>
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<tr>
<td>16</td>
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<td>15-16</td>
</tr>
</tbody>
</table>

AP/Dual credit may affect first-semester course selection. Your advisor will discuss options with you during your VSTAR registration appointment.
Bachelor of Science in Agricultural Engineering, BSAGE*

Agricultural Engineering (Machine Systems)  Environmental and Natural Resources Engineering

*Successful completion of Pre-ABE curriculum required
ABE Degrees, Majors, and Concentrations

Bachelor of Science in Biological Engineering, BSBE*

Biological Engineering

With optional concentrations in

• BioEnvironmental Engineering
• Cellular and Biomolecular Engineering
• Food and Biological Process Engineering
• Pharmaceutical Process Engineering

*Successful completion of Pre-ABE curriculum required
Pre- Agriculture and Biological Engineering (Pre-ABE)

Pre-ABE is an alternative to First-Year Engineering. The required classes are identical to First-Year Engineering requirements. Because of our ties to Agriculture, we have the ability to have engineering students join our program as freshmen.

Upon successful completion of the one-year Pre-Agricultural and Biological Engineering curriculum students can move to their professional program of choice within Agricultural and Biological Engineering.
## Pre-ABE - Typical First Year Courses

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 1st Semester</th>
<th>Credits</th>
<th>Spring 1st Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td><strong>CHM 11500</strong> General Chemistry I</td>
<td>4</td>
<td><strong>CHM 11600</strong> General Chemistry II</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td><strong>CHM 11500</strong> or <strong>CS 15900</strong></td>
</tr>
<tr>
<td>2</td>
<td><strong>ENGR 13100</strong> Transforming Ideas to Innovation I</td>
<td>2</td>
<td><strong>ENGR 13200</strong> Transforming Ideas to Innovation II</td>
</tr>
<tr>
<td>4</td>
<td><strong>MA 16500</strong> Analytic Geometry and Calculus I</td>
<td>4</td>
<td><strong>MA 16600</strong> Analytic Geometry and Calculus II</td>
</tr>
<tr>
<td>3</td>
<td><strong>Human Cultures: Humanities Selective</strong></td>
<td>4</td>
<td><strong>PHYS 17200</strong> Modern Mechanics</td>
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<tr>
<td>3-4</td>
<td><strong>Written Communication Selective</strong></td>
<td>3</td>
<td><strong>Oral Communication Selective</strong></td>
</tr>
<tr>
<td>17-18</td>
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<td>16-17</td>
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</table>

AP/Dual credit may affect first-semester course selection. Your advisor will discuss options with you during your VSTAR registration appointment.
ABE Advisors will be conducting VSTAR Registration Appointments between June 1st and July 1st

• Watch your Purdue email for an invitation to schedule your registration appointment.

• Appointments will be held online via ZOOM*
  • Have access to a computer or laptop which will make the registration process run smoother.

• Prepare for your Advising Meeting
  • We want to get to know YOU – be prepared to tell us a little about yourself (hobbies, interests, career goals, etc)!
  • Keep your list of earned/expected AP and Dual credits handy so we can discuss how/if you want to apply them to your degree.
  • Prepare a list of questions for your advisor – questions can be about academics, transitioning to Purdue from high school, campus resources and opportunities, etc – don’t hesitate to ask – we’re here to help!

• *If you do not have access to a computer, a phone appointment is an option, please indicate your need for an alternative meeting mode when you register for your appointment.
Next Steps

• Complete VSTAR part 2 and Part 3

• Enjoy high school graduation!

• View your finalized Fall 2022 schedule. Schedules will be available July 25th ~ 5 p.m.
  • Schedule modification may be made beginning July 26th, but only after consultation with your advisor!

• Attend Boiler Gold Rush – BGR is HIGHLY recommended! (sign up via New Student Tab!)

• Come to the College of Agriculture Welcome – Friday, August 19th

• Join us for the ABE Welcome Back Picnic - TBA (Late August/Early September)

• Classes Begin – Monday, August 22nd

Be sure to check your Purdue email regularly throughout the summer!
Purdue Ag Biological Engineering is No. 1
Tops in U.S. News & World Report undergraduate program rankings

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We can’t wait for you to join us this fall!

BOILER UP!

Purdue Agricultural and Biological Engineering students in front of the new ABE Building, which opened this year. (Tom Campbell, Purdue Agricultural Communications)