

Transfer to Purdue University – [Department of Agronomy](#)  
[Crop Science Major](#), [Plant Genetics, Breeding, and Biotechnology Major](#),  
[Soil and Water Sciences Major](#)

**TOTAL TRANSFER CREDITS: 63-67 (see below)**

Ivy Tech Community College  
Agriculture, AS

[https://catalog.ivytech.edu/preview\\_program.php?catoid=9&poid=7898&returnto=1009](https://catalog.ivytech.edu/preview_program.php?catoid=9&poid=7898&returnto=1009)

### Semester I

**MATH STEM Numerical Reasoning Elective CREDIT HOURS: 3**

***MATH 136 = MA 15300 3 cr***

***Note: MATH 136 + 137 = MA 15800 3 cr & MA 1XTRA 3 cr***

**BIOL 121 - General Biology I CREDIT HOURS MIN: 4**

***BIOL 121 = BIOL 11000 4 cr***

**ENGL 111 - English Composition CREDIT HOURS MIN: 3**

***ENGL 111 = ENGL 1XUWC 3 cr***

**AGRI Core Course CREDIT HOURS: 3**

***AGRI 110 = AGECE 20300 3 cr (Required)***

***AGRI 111 = AGRY 10500 3 cr***

***AGRI 113 = ANSC 10200 3 cr***

***AGRI 114 = ASM 1XUND 3 cr***

**AGRI Core Course CREDIT HOURS: 3**

***AGRI 110 = AGECE 20300 3 cr***

***AGRI 111 = AGRY 10500 3 cr (Required)***

***AGRI 113 = ANSC 10200 3 cr***

***AGRI 114 = ASM 1XUND 3 cr***

**IVYT 111 - Student Success in University Transfer CREDIT HOURS MIN: 1**

***IVYT 111 = UND 1XTRF 1 cr***

***Approved for AGR 10100 & AGR 11300 1 cr***

**Total = 17 Credits**

### Semester II

**MATH STEM Numerical Reasoning Elective CREDIT HOURS: 3**

***MATH 201 = MA 16010 3 cr (Required)***

**BIOL 122 - General Biology II CREDIT HOURS MIN: 4**

**OR Transfer Cluster Course CREDIT HOURS: 3**

***BIOL 122 = BIOL 11100 4 cr (Recommended)***

***OR (Insert Ivy Tech transfer course to Purdue)***

***If needed, see [Purdue Ag Core - Transfer spreadsheet](#) or [complete list of Ivy Tech transfer courses to Purdue](#)***

**COMM 101 - Fundamentals of Public Speaking CREDIT HOURS MIN: 3**

***COMM 101 = COM 11400 3 cr***

**AGRI Core Course CREDIT HOURS: 3**

**AGRI 110 = AGEC 20300 3 cr**

**AGRI 111 = AGRY 10500 3 cr**

**AGRI 112 = HORT 10100 3 cr**

**AGRI 113 = ANSC 10200 3 cr**

**AGRI 201 = AGR 20100 3 cr (Recommended)**

**Transfer Cluster Course CREDIT HOURS: 3**

**PHYS 101 = PHYS 22000 4 cr (Recommended)**

**OR (Insert Ivy Tech transfer course to Purdue)**

**If needed, see [Purdue Ag Core - Transfer spreadsheet](#) or [complete list of Ivy Tech transfer courses to Purdue](#)**

**Total = 17 Credits**

**Semester III**

**MATH 200 - Statistics CREDIT HOURS MIN: 3**

**OR Transfer Cluster Course CREDIT HOURS: 3**

**MATH 200 = STAT 30100 3 cr (Required)**

**If needed, see [Purdue Ag Core - Transfer spreadsheet](#) or [complete list of Ivy Tech transfer courses to Purdue](#)**

**CHEM 101 - Introductory Chemistry I CREDIT HOURS MIN: 3**

**OR CHEM 105 - General Chemistry I CREDIT HOURS MIN: 5**

**CHEM 101 = CHM 11100 3 cr (Recommended for Crop Science, Soil and Water Sciences Major)**

**OR CHEM 105 = CHM 11500 4 cr & 1XTRA 1 cr (Required for Plant Genetics, Breeding, and Biotechnology Major)**

**Transfer Cluster Course CREDIT HOURS: 3**

**ANTH 154 = ANTH 10000 3 cr (Recommended)**

**OR (Insert Ivy Tech transfer course to Purdue)**

**If needed, see [Purdue Ag Core - Transfer spreadsheet](#) or [complete list of Ivy Tech transfer courses to Purdue](#)**

**AGRI Core Course - 16 Weeks CREDIT HOURS: 3**

**AGRI 201 = AGR 20100 3 cr**

**AGRI 205 = ANSC 22100 3 cr or AGRI 210 = AGEC 33000 3 cr (Recommended)**

**Transfer Cluster Course CREDIT HOURS: 3**

**PHYS 102 = PHYS 22100 4 cr (Recommended)**

**OR (Insert Ivy Tech transfer course to Purdue)**

**If needed, see [Purdue Ag Core - Transfer spreadsheet](#) or [complete list of Ivy Tech transfer courses to Purdue](#)**

**Total = 16-18 Credits**

## Semester IV

CHEM 102 - Introductory Chemistry II CREDIT HOURS MIN: 3

OR CHEM 106 - General Chemistry II CREDIT HOURS MIN: 5

*CHEM 102 = CHM 11200 3 cr (Recommended for Crop Science, Soil and Water Sciences Major)*

*OR CHEM 106 = CHM 11600 4 cr & 1XTRA 1 cr (Required for Plant Genetics, Breeding, and Biotechnology Major)*

Humanistic and Artistic Ways of Knowing Elective CREDIT HOURS: 3

*PHIL 101 = PHIL 11000 3 cr (Recommended)*

*OR (Insert Ivy Tech H&AWK Elective transfer course to Purdue)*

*If needed, see [Purdue Ag Core - Transfer spreadsheet](#)*

Transfer Cluster Course CREDIT HOURS: 3

*MATH 202 = MA 16020 3 cr (Recommended)*

*OR (Insert Ivy Tech transfer course to Purdue)*

*If needed, see [Purdue Ag Core - Transfer spreadsheet](#) or [complete list of Ivy Tech transfer courses to Purdue](#)*

AGRI Core Course - 16 Weeks CREDIT HOURS: 3

*AGRI 201 = AGR 20100 3 cr*

*AGRI 205 = ANSC 22100 3 cr or AGRI 210 = AGECE 33000 3 cr (Recommended)*

AGRI 290 - Agriculture Seminar CREDIT HOURS MIN: 1

*AGRI 290 = AGR 2XTFR 1 cr*

**Total = 13-15 Credits**

**Agriculture, Associate of Science - AS, 60 Credit Hours**

**Ivy Tech Course Descriptions & Prerequisites**

<https://catalog.ivytech.edu/content.php?catoid=9&navoid=1014>

**Note:** The exact sequence of courses listed above (classes to take semester-by-semester) may vary. Students should consult with an advisor each semester before scheduling classes.

**Transfer to Purdue University – Plant Genetics, Breeding, and Biotechnology Major**

[https://catalog.purdue.edu/preview\\_program.php?catoid=17&poid=29681&returnto=22203](https://catalog.purdue.edu/preview_program.php?catoid=17&poid=29681&returnto=22203)

**RECOMMENDED PLAN OF STUDY**

**Agronomy Contact:**

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**Courses to be Taken at Purdue**

**PLANT GENETICS, BREEDING, AND BIOTECHNOLOGY**

Summer Semester	Cr. Hrs.
<b>Total</b>	

Semester 1	Cr. Hrs.
AGRY 32000	3
AGRY 32100	1
AGRY 39800	1
BIOL 23100	3
Directed Selective	3
SS or HUM	3
<b>Total</b>	<b>14</b>

Semester 2	Cr. Hrs.
AGRY 25500	3
AGRY 28500	3
CHM 25700	4
CHM 25701	1
Directed Selective	3
<b>Total</b>	<b>14</b>

Semester 3	Cr. Hrs.
AGRY 48000	3
AGRY 49800	1
AGRY 52000	3
BCHM 30700	3
BCHM 30900	1
Directed Selective	3
<b>Total</b>	<b>14</b>

Semester 4	Cr. Hrs.
AGRY 52500 or HORT 30100	3 to 4
BIOL 22100	4
BTNY 35000	3
300 Level SS or HUM	3
Elective	1
<b>Total</b>	<b>14-15</b>

Summer Semester	Cr. Hrs.
<b>Total</b>	

**Notes:**  
 Purdue requires 32 credit hours at Purdue taken at the 300 level or higher.  
 120 total credits required.