Programs

MP 1102 College Algebra or
MP 1203 Elementary Functions or
MP 1205 Finite Mathematics .................3
PE 1109 Physical Education I ....................1
LA 1020 Skills for College Success .............1
LA 2012 Intro to Sociology .......................3
Total .....................................................17

Second Semester
CJ 2015 American Police .........................3
EN 1201 English II ..................................3
IT 1011 Information Technology Concepts ....1.5
IT 1012 Computer Applications .................1.5
LA 2036 Intro to Psychology .....................3
PE 1209 Physical Education II ...................1
LA 2036 Intro to Psychology .....................3
Humanities Area .....................................3
Total .....................................................16

Employment Program
CJ 2370 Employment Program ....................1-2

Sophomore Year
First Semester
Course No. Course Title Credits
BY 1115 Natural Science I .......................3
CJ 2124 Criminology .............................3
LA 2005 Speech ....................................3
LA 3034 Adolescent Psychology or
LA 4014 Abnormal Psychology ...............3
MP 1203 Elementary Functions or
MP 1205 Finite Mathematics ...................3
Total .....................................................15

Second Semester
BY 1216 Natural Science II or
CH 1001 Chemistry Fundamentals ...........3
CH 1001L Chemistry Fundamentals Lab .....1
EN 2028 Intro to Literature .................3
CJ 3120 Penology ..................................3
CJA Elective .........................................3
Elective ...............................................3
Total .....................................................15-16

Employment Program
CJ 2370 Employment Program ....................1-2

Junior Year
First Semester
Course No. Course Title Credits
BA 2008 Macroeconomics .....................3
BA 2161 Business Law I .........................3
BA 2225 Accounting Fundamentals ..........3
Humanities Area ....................................3
Elective ...............................................3
Total .....................................................15

Second Semester
BA 2261 Business Law II .......................3
BA 3027 Human Resource Mgt ..............3
BA 3229 Organizational Behavior ..........3
LA 4228 The American Family ..............3
CJA Elective .........................................3
Elective ...............................................3
Total .....................................................15

Employment Program
CJ 2370 Employment Program ....................1-2

Senior Year
First Semester
Course No. Course Title Credits
CJ 3250 Issues in Criminal Justice
Administration and Management ............3
LA 4224 Cultural Minorities ....................3
CJA Elective .........................................3
Electives .............................................3
Total .....................................................12

Humanities Area: select two courses from the following:
LA 2040 Modern History of Western Societies 3
LA 2042 Introduction to Philosophy ..........3
LA 2138 History of Western Civilization I  ..3
LA 3032 American History and
Government since 1877 .......................3
LA 4127 United States Foreign Policy ........3

Dairy Science

Faculty:
Larry D. Morris, Chairperson
John R. Plummer
Fredrick R. Hofsess
Pamela J. Reed
Rodney Gilbert

The curriculum in Dairy Science emphasizes the basic sciences, economics, and general education, as well as courses in professional dairy science. As a result, the students are prepared to enter a wide variety of occupations directly and indirectly related to the field of specialization.
With a 95% rate of placing graduates within six months of graduation, there is a variety of employment opportunities for Dairy Science graduates. Opportunities are found principally in six occupational categories: sales and service, production, teaching, veterinary medicine, research and agribusiness. The drug and feed industries are particularly interested in dairy science graduates for sales and administrative positions. Service opportunities are available in state and federal civil services, artificial insemination, state extension services, dairy plant and farm inspection, and cooperatives offering supplies and services to the dairyman.

A number of graduates enter productive farming as dairy herd managers, farm managers, and farm owners. Teaching at the secondary school level in the sciences has become an increasingly popular field for graduates in dairy science. In recent years, graduate work leading to industrial research and college teaching positions has been attracting a number of graduates.

Students interested in attending veterinary school can meet the requirements for veterinary programs offered in the United States through the Dairy Science program. Veterinary schools have unique admission requirements; thus, students should choose their undergraduate elective credits carefully to meet Veterinary School requirements.

The total number of credits required for graduation with a degree in Dairy Science is 128 plus 4 credits earned for successful completion of the Employment Program.

RECOMMENDED COURSE SEQUENCE

FRESHMAN YEAR
First Semester
Course No. Course Title Credits
AS 1006 Introduction to Animal Science ............. 3
BY 1116 Biological Science I .................................. 3
CH 1103 General Chemistry I ............................. 3
CH 1103L General Chemistry I Lab ...................... 1
EN 1101 English I ............................................. 3
LA 1020 Skills for College Success ...................... 1
MP 1102 College Algebra or
MP 1203 Elementary Functions or
MP 1205 Finite Mathematics ............................. 3-4
Total ..................................................................... 17

Second Semester
BY 1217 Biological Science II ............................. 3
CH 1203 General Chemistry II ............................ 3
CH 1203L General Chemistry II Lab ........................ 1
DS 1065 Principles of Dairy Science .................... 3
EN 1201 English II ............................................. 3
MP 1203 Elementary Functions or
MP 1204 Calculus I or
MP 1205 Finite Mathematics ............................. 3-4
Total ..................................................................... 17

SOPHOMORE YEAR
First Semester
Course No. Course Title Credits
AE 2007 Feed Grains and Forages ........................ 3
BY 2003 Genetics ............................................. 3
CH 2003 Princ. of Organic Chemistry .................. 3
CH 2003L Princ. of Organic Chemistry ................. 1
DS 3029 Genetics of Livestock ............................ 1
IT 1011 Information Technology Concepts ......... 1.5
IT 1012 Computer Applications ......................... 1.5
LA 2005 Speech ................................................. 3
PE 1109 Physical Education I ............................. 1
Total ..................................................................... 18

Second Semester
CH 2203 Biochemistry ........................................ 3
CH 2203L Biochemistry Lab ................................ 1
DS 2213 Dairy Cattle Judging ............................. 1
DS 2230 Physiology of Lactation ......................... 3
EN 2028 Introduction to Literature ....................... 3
PE 1209 Physical Education II ............................ 1
Elective ....................................................... 3
Total ..................................................................... 15

JUNIOR YEAR
First Semester
Course No. Course Title Credits
AS 4106 Principles of Animal Nutrition .............. 3
BY 3002 General Microbiology ............................ 4
LA 1060 Introduction to Fine Arts ...................... 3
LA 4037 Non-Western Societies ......................... 3
Elective ....................................................... 3
Total ..................................................................... 16

Second Semester
AS 4214 Animal Diseases .................................. 3
DS 3010 Animal Feeding and Nutrition ............... 3
DS 3118 Animal Anatomy and Physiology .......... 4
DS 3226 Dairy Husbandry Techniques I ............... 2
Humanities Area ............................................. 3
Elective ....................................................... 2
Total ..................................................................... 17

SENIOR YEAR
First Semester
Course No. Course Title Credits
DS 4115 Seminar .............................................. 1
DS 4143 Dairy Husbandry Techniques II ............ 2
### Programs

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#### Second Semester

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**Social Sciences Area: select one of the following:**
- LA 2012 Introduction to Sociology
- LA 2036 Introduction to Psychology
- LA 4203 Social Psychology and Human Interaction

**Humanities Area: select two courses from the following:**
- LA 2040 Modern History of Western Societies
- LA 2042 Introduction to Philosophy
- LA 2138 History of Western Civilization I
- LA 3032 American History and Government since 1877
- LA 4127 United States Foreign Policy

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### EDUCATION

**Faculty:**
- Linda J. Maisel, Chairperson
- Anthony H. LaSalle
- Dominic A. Montileone
- Andrew M. Pollock
- Dorothy A. Prisco
- Robert W. Valente

The Education Department at Delaware Valley College is a premier provider of training for secondary education teachers in the state of Pennsylvania. Students who major in Education will be prepared to teach at the secondary school level (grades 7 to 12) in the following subjects: Agriculture, Biology, Business, Chemistry, English, General Science, Mathematics or Social Studies. The Education curriculum is a blend of professional studies, teaching competencies and the subject area concentration. The Education major provides a career program based on knowledge of subject content (through required courses in the area of certification), understanding of the teaching and learning processes (through required courses in Education), and proficiency in the liberal arts (through required College core courses).

A program sequence of courses for each content area and certification is prescribed. The program sequence of courses strives for thorough knowledge of subject area, classroom management skills, communication skills, and the development of rational analysis and critical judgment as it applies to education. The Education Department Manual specifically defines requirements for each content area and certification, provides program sequences for each subject area and outlines protocols and responsibilities for the Education major including information regarding Praxis examinations. An application for admission into the major must be completed after forty-eight credit hours. Eligibility and departmental recommendation for the student teaching practicum is dependent upon formal acceptance into the major.

A student may enter the Education program as a major in education or as a major in an academic discipline seeking teacher certification. The number of credits required for graduation with a degree in Secondary Education is 124-136 credits, depending on the content area, which includes 12 credits earned for successful completion of the Student Teaching and Professional Seminar.

In compliance with Chapter 354 of the General Standards of the Pennsylvania Department of Education, students are required to seek formal admission into the Education major. This process is outlined in the Department Manual, and requires the following:

- Three credits of college-level English or American Literature; three credits of college-level English Composition; and six credits of college-level Mathematics.
- A cumulative GPA of 3.0 or higher by the completion of forty-eight credit hours. The 3.0 GPA must be maintained through graduation in order for Delaware Valley College to recommend the individual for PA certification. If the GPA falls below 3.0, the Education Department will place the student on probation until the student raises the GPA to the acceptable level.
- All transfer students must enter with a cumulative 3.0 GPA in order to be admitted to the Education Program. A 3.0 GPA must be maintained in order to receive recommendation for certification.
- Successful completion of Field Experience I (ED 2040).
- Attainment of proper background clearances – Acts 34, 114, and 151.
- Successful completion of the Praxis PPST tests in Reading (10710), Writing (20720), and Mathematics (10730).