DVM in Veterinary Medicine

Objectives and Summary of the Professional Curriculum

The primary objective of the CVM curriculum is to provide students with the knowledge and technical skills necessary to be competent entry level veterinarians. We prepare our students for general veterinary practice, for entry into graduate or specialty training programs, or for careers in regulatory medicine. The overall objective of the first two years of the curriculum is to provide students with a solid foundation in basic biomedical sciences. The courses in the preclinical professional curriculum include anatomy, physiology, cell and molecular biology, pathology, pharmacology, microbiology, virology, and toxicology. The fundamentals of the clinical disciplines are also taught during this time and include anesthesia, clinical pathology, radiology, public health, medicine and surgery.

The organizational scheme of the professional curriculum differs from that of other schools in that the first two academic years are divided into eight-week instructional periods and our academic year runs from August through June. The students have a summer break between the first and second years and second and third years of instruction that is approximately seven weeks in duration. The overall objective of the clinical curriculum is to solidify basic knowledge and practice clinical skills in the Veterinary Health Center, VMDL, and external preceptorships. This portion of the curriculum is organized into 12 clinical blocks that begin in October of the third year of professional instruction. These clinical blocks are six to eight weeks in duration and may be divided into 1, 2, or 3 clinical courses. The required clinical rotations are listed below and organized by duration:

Required Clinical Rotations

**Full Block Rotations:** Food Animal Medicine and Surgery; Equine Medicine and Surgery; Small Animal Community Practice and Shelter Medicine; Diagnostic Pathology and Special Species Medicine.

**Third Block Rotations:** Theriogenology; Ophthalmology; Small Animal Internal Medicine; Small Animal Emergency and Critical Care; Oncology; Soft Tissue Surgery; Orthopedic Surgery; Neurology and Neurosurgery

**Half Block Rotations:** Clinical Radiology; Clinical Anesthesia

Note that students are required to complete four credit hours (four weeks) of external evaluated preceptorships as part of the required curriculum. Students also select 10 credit hours of elective rotations (cardiology, nutrition, production medicine, special imaging, etc.). In addition to required and elective blocks, students are allotted two blocks as "free time." Most students utilize their free time to study for licensing examinations, complete preceptorships at practices, or interview with prospective employers. A total of 154.5 semester credit hours are required for graduation. Most students accumulate a higher number of credit hours as a result of enrollments in extra didactic or clinical elective courses.

**VM-1 Required Courses (Instructional Periods 1-4)**

<table>
<thead>
<tr>
<th>Instructional Periods 1 and 2; August - December</th>
</tr>
</thead>
<tbody>
<tr>
<td>V_BSCI 5500 Veterinary Anatomy with Laboratory</td>
</tr>
</tbody>
</table>

**VM-2 Required Courses (Instructional Periods 5-9)**

<table>
<thead>
<tr>
<th>Instructional Period 5; May - June</th>
</tr>
</thead>
<tbody>
<tr>
<td>V_PBIO 5512 Veterinary Immunology</td>
</tr>
<tr>
<td>V_PBIO 5552 Veterinary Bacteriology with Laboratory</td>
</tr>
<tr>
<td>V_PBIO 5575 Veterinary Pathology with Laboratory</td>
</tr>
<tr>
<td>V_PBIO 5579 Veterinary Genomics</td>
</tr>
</tbody>
</table>

**Instructional Period 6; August - October**

| V_PBIO 5553 Veterinary Bacteriology II | 2.5 |
| V_PBIO 5554 Veterinary Virology | 2.5 |
| V_PBIO 5557 Veterinary Parasitology with Laboratory | 3 |
| V_PBIO 5576 Veterinary Systemic and Special Pathology with Laboratories | 3 |

**Instructional Period 7; October - December**

| V_BSCI 5507 Veterinary Pharmacology with Laboratory | 3 |
| V_PBIO 5558 Veterinary Public Health | 2 |
| V_PBIO 5577 Veterinary Systemic and Special Pathology II with | 3 |
| V_PBIO 5601 Animals in Emergencies & Basic Emergency Response Training for Vet Students | 1 |
| V_M_S 6130 Fundamentals of Veterinary Business Management | 1 |

**Instructional Period 8; January - February**

| V_BSCI 5508 Veterinary Pharmacology | 2 |
| V_PBIO 5578 Veterinary Clinical Pathology with Laboratory | 3 |
| V_PBIO 6010 Laboratory Animal Medicine | 1.5 |
| V_M_S 6020 Veterinary Radiology with Laboratory | 2 |

**Instructional Period 9; March - April**

| V_BSCI 5509 Veterinary Toxicology | 3 |
| V_M_S 6030 Veterinary Anesthesiology with Laboratory | 2 |
| V_M_S 6040 Companion Animal Medicine with Laboratory | 4 |
| V_M_S 6060 Small Animal Surgery with Laboratory | 2 |

**VM-3 Courses (Instructional Periods 10-11)**

V_BSCI 5502 Veterinary Microscopic Anatomy with Laboratory | 3 |
V_BSCI 5504 Veterinary Physiology | 5 |
V_BSCI 5506 Veterinary Molecular and Cellular Biology | 4 |
V_BSCI 5100 Veterinary Neuroscience | 2 |
V_BSCI 5011 Veterinary Anatomy | 3 |
V_BSCI 5020 Developmental Anatomy | 0.5 |
V_BSCI 5503 Veterinary Microscopic Anatomy | 2 |
V_BSCI 5051 Veterinary Gastrointestinal Medicine | 2 |
V_M_S 6005 Clinical Skills | 0.5 |
V_M_S 6140 Nutrition with Laboratory | 1.5 |
V_BSCI 5012 Veterinary Anatomy with Laboratory | 3 |
V_BSCI 5021 Developmental Anatomy | 0.5 |
V_BSCI 5052 Veterinary Endocrinology and Reproductive Physiology | 2 |
V_PBIO 5511 Veterinary Immunology | 1.5 |
V_PBIO 5555 Epidemiology and Biostatistics with Laboratory | 2 |
V_M_S 6006 Clinical Skills | 0.5 |
V_PBIO 5552 Veterinary Bacteriology with Laboratory | 3 |
V_PBIO 5575 Veterinary Pathology with Laboratory | 3 |
V_PBIO 5579 Veterinary Genomics | 1 |
V_PBIO 5553 Veterinary Bacteriology II | 2.5 |
V_PBIO 5554 Veterinary Virology | 2.5 |
V_PBIO 5557 Veterinary Parasitology with Laboratory | 3 |
V_PBIO 5576 Veterinary Systemic and Special Pathology with Laboratories | 3 |
V_PBIO 5507 Veterinary Pharmacology with Laboratory | 3 |
V_PBIO 5558 Veterinary Public Health | 2 |
V_PBIO 5577 Veterinary Systemic and Special Pathology II with | 3 |
V_PBIO 5601 Animals in Emergencies & Basic Emergency Response Training for Vet Students | 1 |
V_M_S 6130 Fundamentals of Veterinary Business Management | 1 |
V_BSCI 5508 Veterinary Pharmacology | 2 |
V_PBIO 5578 Veterinary Clinical Pathology with Laboratory | 3 |
V_PBIO 6010 Laboratory Animal Medicine | 1.5 |
V_M_S 6020 Veterinary Radiology with Laboratory | 2 |
V_BSCI 5509 Veterinary Toxicology | 3 |
V_M_S 6030 Veterinary Anesthesiology with Laboratory | 2 |
V_M_S 6040 Companion Animal Medicine with Laboratory | 4 |
V_M_S 6060 Small Animal Surgery with Laboratory | 2 |
Preceptorships

Missouri students are encouraged to use free blocks for preceptorships to increase exposure to veterinary practice and to meet the requirements of the Missouri Veterinary Medical Practice Act. The University of Missouri College of Veterinary Medicine does not have the authority to approve the use of student free block time or the veterinarians with whom they gain experience to meet state requirements.

Available preceptorships may be found by contacting the Office for Student and Academic Affairs.

Preceptorship requirements and forms required by the Missouri State Veterinary Medical Board can be found at their website: http://pr.mo.gov/veterinarian.asp

The level of supervision required by preceptors is detailed at: http://pr.mo.gov/boards/veterinary/VetSupervisionChart.pdf

The Missouri State Veterinary Medical Board preceptorship form may be found at: http://pr.mo.gov/veterinarian-application-forms.asp.

Professional Licensing Information

In addition successfully completing a professional veterinary education, most states require state and national licensing examinations to meet requirements to practice. Please visit the International Council for Veterinary Assessment (ICVA) and the American Association of
Veterinary State Boards (AAVSB (http://www.aavsb.org/)) websites for further information.