UNIVERSITY OF COPENHAGEN
FACULTY OF HEALTH AND MEDICAL SCIENCES

MASTER OF COMPANION ANIMAL CLINICAL SCIENCE
The Master of Companion Animal Clinical Science is an accredited postgraduate programme designed for veterinarians who wish to pursue new challenges and knowledge. The Master is offered by the University of Copenhagen in close collaboration with The Danish Veterinary Association.

HANDS-ON LEARNING
As a Master student you will be taught in small groups with large components of practical exercises. You will get hands-on experience with new techniques and best practice approaches. The practicals are set in state-of-the-art facilities at the University Hospital for Companion Animals including in vivo training.

FROM NEWEST RESEARCH TO BEST PRACTICE
You will be introduced to the newest knowledge by leading national and international researchers. In all teaching there is a focus on how you can apply your new skills directly in your daily work.

LEADING INTERNATIONAL FACULTY
The Master programme is nationally and internationally accredited and preapproved. Our teaching faculty consists of ACVIM and ECVIM boarded diplomats and leading national and international researchers.

EVIDENCE-BASED PRACTICE
As a Master student you will develop your skills to apply evidence-based clinical decision making as well as planning and executing specialized diagnostic work up, procedures and therapeutic strategies.

Approved by:

“The practical parts were excellent. The possibility to train under such competent tutoring in such a small group is extremely valuable.”

- Karin Norlinder, Veterinarian at Bohusläns Smådjursklinik
“I have acquired thorough understanding of certain subjects which I have been capable of using in my everyday life.”

- Ken Lindeblad Evidensia
Faxe Dyrehospital.
PROGRAMME
CURRICULUM

Certified in Small Animal Diseases (Fagdyrlæge) (4 compulsory course modules) 30 ECTS

Specialisation track (3 course modules) 18 ECTS

Master’s project 12 ECTS

“The lecturers have a high professional level and it is a great hospital. It is also brilliant that we have external lecturers.”

- Vibeke Fosse, Veterinarian at AniCura Animal Hospital Bergen South
FIRST 4 MODULES OF THE MASTERS

Veterinary Methodology and Paraclinical Skills

Companion Animal Internal Medicine and Specialty Cases, Systematic Diagnostic Decision Making

Companion Animal Surgery – Good Surgical Practice

Dedicated Companion Animal Clinical Practice

4 weeks clinical externship at a Danish or international university veterinary teaching hospital

Courses Preapproved for Fagdyrlæge, Steg 1 and „specialistutdanning i regi af DNV“

The compulsory courses are preapproved as the Danish Certificate in Small Animal Diseases (in Danish Fagdyrlæge vedr. Sygdomme hos hunde og katte) by the Danish Veterinary Association (DDD)

Module 1-3 are preapproved as 5 courses towards the Swedish specialist in diseases of dogs and cats (in Swedish STEG 1) by the Swedish Society of Veterinary Medicine (SVS)

Module 1-3 are preapproved as 148 hours towards the Norwegian specialist in Diseases of Dogs and Cats by The Norwegian Veterinary Association (DNV).

“I believe everybody should have a stay like this.”

- Astrid Bjørn Lund, veterinarian at Egtved Dyrlægerne
SPECIALIZATION TRACKS

SURGERY
Strong emphasis on practical in vivo wet labs and evidence and case-based approaches applicable for implementation at specialised Companion Animal Clinics.

Module I: Soft tissue surgery
Module II: Orthopedic surgery
Module III: Cancer surgery

Practical sessions including
- Gastro-intestinal, hepatobiliary and urinary tract surgery
- Thoracic surgery (lung lobectomy, congenital cardiac malformations)
- Fracture biomechanics, surgery and management
- Hip joint disorders, knee joint and patellar disorders including meniscectomy, arthroscopy, trochlear recession, tibial tuberosity transposition, lateral imbrication
- Surgical management of fibrosarcoma, osteosarcoma, oral cancer, mastocytoma, mammary cancer and reconstructive surgical techniques used for cancer patients.

INTERNAL MEDICINE
Comprehensive evidence-based theoretical and clinical best-practise approaches applicable for direct implementation at specialized Companion Animal Clinics.

Module I: Endocrine and Urological Diseases
Module II: Gastrointestinal and Respiratory Diseases
Module III: Haematological, Infectious and Critical Medical Diseases

Practical sessions including
- Advanced diagnostic imaging, including abdominal ultrasonography workshops.
- Endoscopy workshops (broncho-, gastroduodenal- and colonoscopy)
- Ultrasound and radiography interpretation sessions
- Practical and diagnostic cytological exams including advanced interpretation with regards to hematological, infectious and critical medical diseases.
**CARDIOLOGY**
Comprehensive theoretical and clinical knowledge relevant to practice cardiology in referral clinical settings.

Module I: Applied Clinical Cardiology  
Module II: Diagnostic Cardiology  
Module III: Advanced Clinical Cardiology

Practical sessions and case-based theoretical evidence-based training, diagnostics and management of the cardiac patient.

**DIAGNOSTIC IMAGING**
Advanced knowledge and skills for interpretation within the modalities; CT, MRI, conventional x-ray and ultrasonography.

Module I: Cross Sectional Imaging, CT and MRI  
Module II: Ultrasonography  
Module III: Advanced Diagnostic Imaging

Practical sessions combined with most recent evidence-based theoretical knowledge in companion animal diagnostic imaging.

**NEUROLOGY**
Advanced level of expertise in the principles underlying the clinical presentation, the neurodiagnostic testing, detection and localization of lesions in the central and peripheral nervous system and treatment regimes.

Module I: Applied Clinical Neurology  
Module II: Diagnostic Clinical Neurology  
Module III: Advanced Clinical Neurology

Practical sessions in neurodiagnostic testing such as e.g. Computed Tomography (CT), Magnetic Resonance Imaging (MRI) and cerebrospinal fluid (CSF) examination (collection, preparation and cytology).

**ONCOLOGY**
Advanced level expertise in diagnostic work up including staging and grading of the oncology patient, treatment planning and multimodality management of companion animal cancer patients.

Module I: Medical Oncology I  
Module II: Medical Oncology II  
Module III: Cancer Surgery

Practical sessions in surgical management of fibrosarcoma, osteosarcoma, oral cancer, mastocytoma, mammary cancer and reconstructive surgical techniques used for cancer patients.
PROGRAMME STRUCTURE
The Master programme is organised to fit into the busy schedule of a companion animal veterinarian. Recommended length of study is 4 years.
The programme consists mainly of short intensive course modules on University of Copenhagen Campus.

ADMISSION CRITERIA
We welcome applicants with a degree in Veterinary Medicine and at least two years of relevant work experience in companion Animal Practice.

If you are a Scandinavian approved specialist in diseases of dogs and cats (fagdyrlæge/Steg 1/Norsk specialist/ Pieneläinsairauksien erikoiseläinlääkäri) you can enroll directly at a specialization track.

APPLICATION DEADLINE
Admission deadline 1 May.
The Master welcomes new applicants every second year.

FOR FURTHER INFORMATION
Go to: www.cacs.ku.dk
or contact: master@sund.ku.dk

ACCREDITED BY
Veterinary Continuous Education in Europe (VetCEE) and the Danish Accreditation Institution ACE Denmark

COURSES PREAPPROVED BY
The Danish Veterinarian Association, The Norwegian Veterinary Association and the Swedish Society of Veterinary Medicine