

Master of Science in Biopsychology and Neuroscience

كلية العلوم الصحية والحيوية
College of Health & Life Sciences

جامعة حمد بن خليفة
HAMAD BIN KHALIFA UNIVERSITY



Master of Science in Biopsychology and Neuroscience

The Master of Science in Biopsychology and Neuroscience aims to build human capacity and train the next generation of researchers in the field of Neuroscience and Mental Health. The master's degree provides the students with knowledge of the biological foundations of neurological and psychiatric diseases. It also helps them develop critical and independent reasoning skills.

Program focus

- ▶ Apply fundamental concepts of molecular and cellular neuroscience at the cellular and organismal levels.
- ▶ Acquire and demonstrate basic translational research skills in neurodevelopmental, neurodegenerative, behavioral, and cognitive neuroscience.
- ▶ Learn and apply ethical standards to construct a succinct research thesis in neuroscience.
- ▶ Demonstrate ability to read and critically analyze the published research studies in neuroscience.
- ▶ Develop proficiency in experimental design and implementation, statistical analysis, and interpretation of results.
- ▶ Gain effective verbal and written communication skills.

Curriculum

A 33-credit program, taught in English over two years, that includes:

- ▶ Five mandatory foundational courses
- ▶ A minimum of three elective courses
- ▶ Attendance of research seminars
- ▶ Thesis work and laboratory training

Courses include:

- ▶ Biopsychology
- ▶ Research Methods and Ethics in Neuroscience
- ▶ Advanced Neurosciences
- ▶ Development and Diseases of the Nervous System
- ▶ Behavior, Learning and Memory
- ▶ Advanced Molecular Biology
- ▶ Advanced Cell Biology
- ▶ Stem Cell Biology
- ▶ Scientific Communication and Professional Development
- ▶ Cancer Biology
- ▶ Advanced Human Physiology
- ▶ Advanced Genetics
- ▶ Bioinformatics
- ▶ Epigenetics
- ▶ Pharmacogenomics



Admission and Application Requirements

Applicants seeking admission to the CHLS graduate programs at HBKU should have a strong academic record (minimum 3.0 GPA out of 4) from a recognized university.

Applicants for the Master of Science in Biopsychology and Neuroscience should have a passion for neuroscience and evidence of coursework in biological or medical sciences.

Applicants are required to submit a valid IELTS score of 6.5 or TOEFL score of 79 to demonstrate their proficiency in English.

Further details about the language proficiency requirement and the process to seek exemption (if applicable) are available from admissions.hbku.edu.qa

Application requirements

A completed online application form:

admissions.hbku.edu.qa

Academic transcripts

Official electronic copies of transcripts should be submitted as part of the online application. Final transcripts and graduation statements are required for all previous university studies. All transcripts submitted should include an explanation of the grading system. For those who have not completed their current studies, transcripts must include results from the last completed semester of coursework. Transcripts in languages other than English or Arabic must be accompanied with an official translation. Applicants who are admitted to the program based on copies of or incomplete transcripts will be required to provide original transcripts upon enrollment in order to register for courses.

Standardized test results

Official copies of standardized test results must be sent directly to HBKU. Please refer to the institutional codes below:

- ▶ TOEFL: 4981
- ▶ IELTS: No code required. Students should ask the IELTS center where they tested to send the IELTS TRF to Hamad Bin Khalifa University.

Applicants should also submit copies of their test scores with the online application.

Letters of recommendation

Applicants are not required to present recommendation letters for this program, however, those with evidence of prior research experience are preferred.

Please visit admissions.hbku.edu.qa for further information about the submission process.

Personal statement of interest

Applicants should submit a personal statement (300-500 words) as part of the online application. The statement should explain why the candidate is applying to the program and how their studies will contribute to the achievement of their personal objectives, including information about the applicant's research interests and achievements.

Resume/Curriculum vitae

Applicants should submit a copy of their current resume or curriculum vitae as part of the online application.

This should include the following information:

- ▶ Academic qualifications
- ▶ Professional experience
- ▶ Publications
- ▶ Research projects
- ▶ Academic awards or honors
- ▶ Conference presentations

Identification document

All applicants should submit an electronic copy of their passport as part of the online application. Nationals and residents of Qatar should also submit their valid Qatari ID.

Student funding

CHLS provides opportunities for funding on a competitive basis. Further information will be provided to applicants who are admitted to the program.

Admission inquiries

admissions.chls@hbku.edu.qa