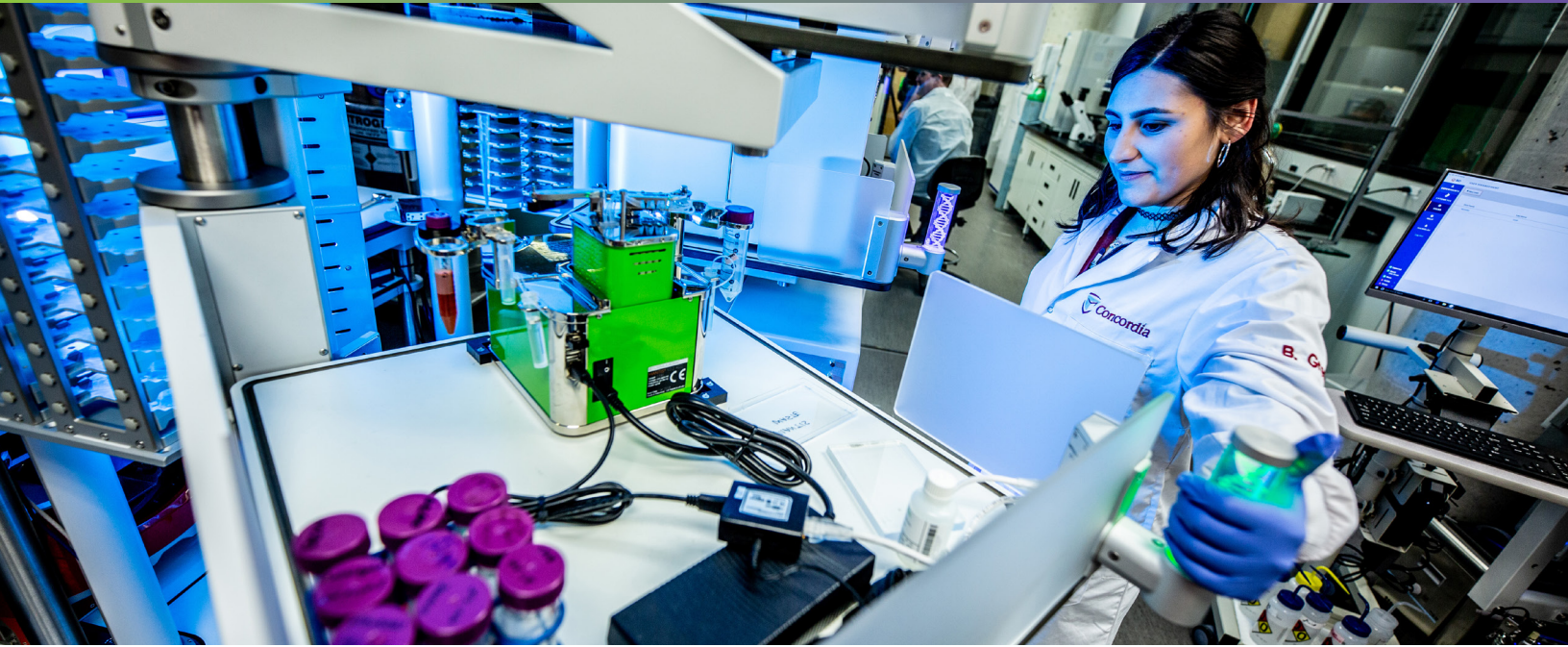# NEW PROGRAMS

Bachelor of Science in Systems and Information Biology
Department of Biology

Bachelor of Computer Science in Health and Life Sciences
Department of Computer Science and Software Engineering

From single genomes to whole ecosystems, advances in scientific and digital technologies are revolutionizing our capacity to collect vast amounts of data on complex biological systems.

These interrelated programs will give you the knowledge and technical skills you need to appreciate and advance our understanding of biological systems in this era of big data and data analytics.

Through lectures, laboratories, and research projects offered by the Department of Biology and the Department of Computer Science and Software Engineering, you will develop the capacity to understand and solve problems in the biological sciences using computational and bioinformatic approaches.

You'll also have the opportunity to conduct original research projects under the supervision of a faculty member.

Training in:
- Molecular and cell biology
- Computer coding and algorithms relevant to the biological sciences
- Genomics and biological data sciences
- Mathematics, statistics and modelling

To learn more about the program in Systems and Information Biology, contact David Walsh at david.walsh@concordia.ca or visit **concordia.ca/sibiology**

For more information about the program in Computer Science in Health and Life Sciences, contact Marta Kersten-Oertel at marta.kersten@concordia.ca

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