

**Department of Electrical and Computer Engineering
Florida International University
Bylaws**

March 9, 2023

Article I: Purpose and Goals

1.1 Purpose: The purpose of the Department of Electrical and Computer Engineering (ECE) at Florida International University (FIU) is to provide excellence in undergraduate and graduate education, research, and outreach programs in electrical and computer engineering.

1.2 Goals: The ECE department at FIU will strive to achieve the following goals:

- (a) To offer high-quality undergraduate and graduate programs in electrical and computer engineering and strive to meet the needs of our diverse student population;
- (b) To provide students with a comprehensive education that prepares them for professional practice, lifelong learning, and leadership roles;
- (c) To conduct cutting-edge research in electrical and computer engineering for contribution to the advancement of knowledge and the improvement of society;
- (d) To engage in outreach activities that promote STEM education and collaboration with academia, industry, government, and the community.

Article II: Organization and Administration

2.1 Department Chair: The Department Chair will be responsible for the overall administration of the ECE department at FIU. The Chair will be appointed by the Dean of the College of Engineering and Computing and will serve a term of four years, and renewable.

2.2 Departmental Committees: The Departmental Committees will be responsible for the academic and administrative affairs of the ECE department at FIU. The Committees will consist of faculty members appointed by the Chair or the faculty. The Committees will meet at least once per semester.

2.3 Program Directors: The Program Directors will be responsible for the undergraduate and graduate programs in electrical and computer engineering. The Program Directors will be appointed by the Department Chair and will serve a term of three years, and renewable.

2.4 Faculty: The Faculty will be responsible for teaching, research, and service activities in the ECE department at FIU. The Faculty will be evaluated annually based on their performance in teaching, research, and service.

2.5 Staff: The Staff will provide administrative support to the ECE department at FIU. The Staff will be appointed by the Department Chair and will be evaluated annually based on their performance in administrative duties.

Article III: Curriculum and Academic Standards

3.1 Undergraduate Curriculum: The undergraduate curriculum in electrical and computer engineering will provide a strong foundation in mathematics, physics, and engineering. The curriculum will include core courses in circuits, electronics, signals, and systems, as well as advanced courses in areas such as power, control, communication, and computer engineering. The curriculum will also include a capstone design project that integrates theory and practice.

3.2 Graduate Curriculum: The graduate curriculum in electrical and computer engineering will provide advanced education in areas such as power systems, control systems, communication systems, computer engineering, and photonics. The curriculum will include core courses, elective courses, and a thesis or non-thesis option.

3.3 Academic Standards: The ECE department at FIU will maintain high academic standards in teaching and research. The academic standards will be reviewed periodically and updated as necessary.

Article IV: Research and Scholarship

4.1 Research Areas: The ECE department at FIU will conduct research in areas such as power systems, control systems, communication systems, computer engineering, and photonics. The research will be supported by external funding sources, including government agencies, industry partners, and philanthropic organizations.

4.2 Scholarly Activities: The ECE department at FIU will encourage faculty and students to engage in scholarly activities such as publishing papers, presenting at conferences, and participating in professional societies.

Article V: Outreach and Engagement

5.1 STEM Education: These activities may include outreach programs, workshops, seminars, and mentorship programs.

5.2 Industry Collaboration: The ECE department at FIU will collaborate with industry partners to promote technology transfer, innovation, and workforce development. These collaborations may include joint research projects, internships, co-op programs, and advisory boards.

5.3 Community Engagement: The ECE department at FIU will engage with the local and global communities to address societal challenges and promote sustainable development. These engagements may include service-learning projects, humanitarian projects, and international partnerships.

5.4 Alumni Relations: The ECE department at FIU will maintain active and supportive relationships with its alumni. These relationships may include networking events, mentoring programs, and alumni recognition programs.

Article VI: Committees and Meetings

6.1 Standing Committees: The ECE department at FIU may establish standing committees to assist with the operation of the Department. These committees may include the Curriculum Committee, the Graduate Committee, the Research Committee, and the Outreach Committee.

6.2 Ad Hoc Committees: The ECE department at FIU may establish ad hoc committees to address specific issues or projects.

6.3 Meetings: The Departmental Committee and other committees will meet at least once per semester, or more frequently as needed. The meetings will be conducted according to parliamentary procedures and will follow the open-meeting policy of FIU.

Article VII: Amendments and Review

7.1 Amendments: These bylaws may be amended by a two-thirds vote of the ECE department Faculty, subject to the approval of the Chair of the ECE Department.

7.2 Review: These bylaws will be reviewed periodically by the Departmental Committee to ensure that they remain current and effective.

Article VIII: Ratification

8.1 Ratification: These bylaws will be effective upon their ratification by the ECE department Faculty and the approval of the Chair of the ECE Department.