

Equivalence of Courses for Internal Transfers to CIIC/INSO (CSE/SWE) Programs

Students that transfer to anyone of the academic programs hosted by the Department of Computer Science and Engineering (BS CIIC – Code 508 and BS INSO – Code 509) will be credited using **previously approved courses** from other programs or departments as described in the tables below. **These automatic equivalencies will not apply to students who are already officially classified as CIIC/INSO students (508/509).**

In any case, for the accreditation to be valid, the student must have passed the course taken with a grade of C or better.

Table 1. Equivalences for the core course CIIC 3011 – Introduction to Programming I. Applies to any student who has transferred prior to summer 2020.

Course to Accredit	Core Course for which it is Accredited
INGE 3016 – Algorithms and Computer Programming (3 crs)	CIIC 3011 – Introduction to Programming I (3 crs)
COMP 3010 – Introduction to Computer Programming I (3 crs)	CIIC 3011 – Introduction to Programming I (3 crs)
Other acceptable courses	Subject to evaluation by CSE department

Table 2. Equivalences for the core course CIIC 3015 – Introduction to Programming I. It applies to any student who has moved in or after summer 2020. In both cases included in Table 2, the student must pass (grade C or better) one additional credit to match the 4 credits of the CIIC 3015 course. For this, you can use any course from our department that has been approved as an acceptable course for Technical or Professional Elective. This course may not also be accredited as credits in technical electives for the student.

Course to Accredit	Core Course for which it is Accredited	Observation
INGE 3016 – Algorithms and Computer Programming (3 crs)	CIIC 3015 – Introduction to Programming I (4 crs)	1 more credit is needed as previously described
COMP 3010 – Introduction to Computer Programming I (3 crs)	CIIC 3015 – Introduction to Programming I (4 crs)	1 more credit is needed as previously described
Other acceptable courses	Subject to evaluation by CSE department	Additional credits might be needed

Table 3. Equivalences of courses from the ICOM program (Computer Engineering) or the INEL (Electrical Engineering) that are managed by the Department of Electrical and Computer Engineering as indicated in the following tables.

Course to Accredit	Core Course for which it is Accredited
ICOM 4075 – Fundamentals of Computing (3 crs)	CIIC 3075 – Foundations of Computing (3 crs)

Course to Accredited	Core Course for which it is Accredited
RING 4205 - Logic Circuits (3 crs)	CIIC 3081 – Computer Architecture I (3 credits)
ICOM 4015 – Advanced Programming (4 crs)	CIIC 4010 – Advanced Programming (4 crs)
ICOM 4035 – Data Structures (4 crs)	CIIC 4020 – Data Structures (4 crs)
ICOM 4038 – Analysis and Design of Algorithms (3 crs)	CIIC 4025 – Algorithm Design and Analysis (3 crs)
ICOM 4036 – Structure and Properties of Programming Languages (3 crs)	CIIC 4030 – Programming Languages (3 crs)
ICOM 5007 – Operating Systems (4 crs)	CIIC 4050 – Operating Systems (3 crs)
ICOM 5016 – Database Systems (3 crs)	CIIC 4060 – Database Systems (3 crs)
ICOM 5026 – Computer Networks (3 crs)	CIIC 4070 – Computer Networks (3 crs)
ICOM 4215 – Computer Architecture and Organization (3 crs)	CIIC 4082 – Computer Architecture II (3 crs)
ICOM 4009 – Software Engineering (3 crs)	INSO 4101 – Introduction to Software Engineering (3 crs)

Table 4. Equivalence of Courses from the ICOM program that will be accredited as Technical or Professional Electives, subject to the rules established for the allocation of credits in technical electives in the IARC/INSO programs.

Course to Accredited	IARC/INSO Course for accreditation
ICOM 5018 – Network Security and Cryptography (3 crs)	CIIC 5018 – Cryptography and Network Security (3 crs)
ICOM 6025 – High Performance Computing (3 crs)	CIIC 5019 – High Performance Computing (3 crs)
ICOM 5015 – Artificial Intelligence (3 crs)	CIIC 5015 – Artificial Intelligence (3 crs)
ICOM 5017 – System and Network Administration and Security (3 crs)	CIIC 5017 – Operating Systems and Network Administration and Security (3 crs)
ICOM 4029 – Compiler Construction (3 crs)	CIIC 5029 – Compiler Design (3 crs)
ICOM 4066 – Software Project Management (3 crs)	INSO 4118 – Software Project Management (3 crs)
INEL 6095 – Human-Machine Interaction (3 crs)	INSO 5111 – Introduction to Human-Computer Interaction (3 crs)