



UNIVERSITÀ
di **VERONA**

Master's Degree in
Computer Engineering for Intelligent Systems
LM-32 Degree class in Computer Engineering

**DIDACTIC REGULATIONS OF THE DEGREE
PROGRAMME**

ACADEMIC YEAR 2026/27
COHORT 2026/27

Table of Contents

GENERAL INFORMATION

1. WEBSITE
2. CONTACT PERSON
3. CHAIR OF THE TEACHING COMMITTEE
4. REFERENCE STUDENT SECRETARIAT
5. FACULTY, SYLLABI, AND OFFICE HOURS
6. DURATION
7. LOCATION
8. AFFILIATED DEPARTMENT/SCHOOL
9. CURRICULA
10. LANGUAGE OF INSTRUCTION
11. MODE OF DELIVERY
12. TEACHING MATERIALS
13. ADMISSION
14. DEGREE REQUIRED FOR ADMISSION
15. CURRICULAR REQUIREMENTS AND ADEQUATE PERSONAL PREPARATION
16. ENROLMENT
17. UNIVERSITY EDUCATIONAL CREDITS (CFU)

COURSES

18. STUDY PLAN
19. COURSES BY PERIOD

RULES ON THE TRAINING PATH

20. ASSESSMENT METHODS
21. PREREQUISITES
22. BARRIERS
23. CHOICE OF CURRICULUM
24. ELECTIVE ACTIVITIES (D)
25. TRANSVERSAL FORMATIVE ACTIVITIES (F), INTERNSHIPS, TRAINEESHIPS, OTHER
26. TRANSVERSAL SKILLS
27. RULES FOR SUBMITTING INDIVIDUAL STUDY PLANS
28. INDIVIDUAL STUDY PLAN
29. ATTENDANCE
30. TUTORING FOR STUDENTS
31. TRANSFER FROM ANOTHER DEGREE PROGRAMME
32. RECOGNITION OF PRIOR CAREER
33. DOUBLE ENROLMENT RECOGNITION
34. NUMBER OF EXAM SESSIONS
35. FLEXIBLE PATHS FOR SPECIFIC NEEDS
36. FINAL EXAMINATION
37. FURTHER INFORMATION

INFORMAZIONI GENERALI

1.	WEBSITE	The web pages of the degree programme provide an overview of the course, its organization, the regulations governing its functional aspects, and other University regulations on topics useful to the student community. The quality assurance system and orientation services for future freshmen are also described. Information regarding the practical organization of the course, the conduct of teaching activities, educational opportunities, and useful contacts throughout the entire study path up to the final graduation can be found here. Procedures and methods for enrolling in the degree programme, the entry requirements, and support services for students, including international ones, are illustrated. Furthermore, contacts, FAQs, notices, services, and opportunities offered by the University are available.
2.	CONTACT PERSON	Prof. Andrea Giachetti Chairs the Quality Assurance (QA) Group, which oversees the design and self-assessment of the degree programme according to the guidelines provided by the Quality Assurance Board.
3.	CHAIR OF THE TEACHING COMMITTEE	Prof. Graziano Pravadelli The Teaching Committee provides for the planning, organization, coordination, verification, and quality assurance of teaching activities; it proposes potential changes to the degree system and regulations of the degree programme, and decides on requests from students regarding their educational path.
4.	REFERENCE STUDENT SECRETARIAT	Operational Unit - Science and Engineering Student Secretariat
5.	FACULTY, SYLLABI, AND OFFICE HOURS	Each professor has their own web page where they publish information related to teaching and research activities. Professors' pages can be accessed from the degree programme website. Syllabi are published on the respective course web pages. Office hours are published on the web page of each professor.
6.	DURATION	2 years
7.	LOCATION	Strada Le Grazie 15, 37134 Verona
8.	AFFILIATED DEPARTMENT/SCHOOL	Engineering for Medicine of Innovatio
9.	CURRICULA	Healthcare systems Industrial systems
10.	LANGUAGE OF INSTRUCTION	English
11.	MODE OF DELIVERY	Conventional
12.	TEACHING MATERIALS	Students have the right to use any teaching materials made available for the course. If the professor has activated the Moodle e-learning platform, the materials contained therein remain available to students for a number of years equal, at most, to the standard duration of the degree programme. If the professor has provided video recordings of the lectures, the videos remain available to students on the Panopto platform for the current and the previous academic year.
13.	ADMISSION	Open access
14.	DEGREE REQUIRED FOR ADMISSION	Bachelor's degree or three-year university diploma, or another qualification acquired abroad and recognized as suitable
15.	CURRICULAR REQUIREMENTS AND ADEQUATE PERSONAL PREPARATION	Curricular Requirements
16.	ENROLMENT	Enrolment
17.	UNIVERSITY EDUCATIONAL CREDITS (CFU)	Each CFU normally corresponds to 25 hours of total student workload. The different types of teaching activities provide the following CFU/HOURS ratios: - Lecture: 6 HOURS/CFU - Exercise/Laboratory: 12 HOURS/CFU - Professional Internship/Traineeship: 25 HOURS/CFU

INSEGNAMENTI		
18.	STUDY PLAN	The study plan is the list of courses and other educational activities that must be completed during one's university career.
19.	COURSES BY PERIOD	This is the list of courses offered in the reference academic year, divided by period and year of enrolment.

REGOLE SUL PERCORSO DI FORMAZIONE		
20.	ASSESSMENT METHODS	For each educational activity, the learning objectives, any prerequisites, the syllabus, reference texts and teaching materials, teaching methods, assessment methods, evaluation criteria, and grade composition criteria are defined. The "course syllabi" are published on the website of each degree programme under the heading "Courses". Exams take place after the conclusion of the course during the scheduled exam sessions. In addition to the final exam, intermediate tests may also be scheduled while the course is running, aimed at verifying learning in progress, which the professor may take into account for the final evaluation. The assessment of individual performance achieved by the student and the consequent recognition of credits earned in the various educational activities conclude with a grade or an evaluation; written and/or oral exams are typically provided, with the final grade expressed out of thirty. In the case of a numeric grade, the outcome is considered a pass for credit allocation purposes if a score of at least 18/30 is achieved. The awarding of honors (laude), in the case of a grade equal to at least 30/30, is at the discretion of the exam board and requires the unanimity of its members. At least 15 days must elapse between two exam dates of the same course. It is not permitted to schedule more than one exam date on the same day for courses belonging to the same year of study.
21.	PREREQUISITES	An exam is defined as a prerequisite if it must necessarily be passed before another exam. The course does not have any prerequisites.
22.	BARRIERS	A barrier refers to a requirement necessary to enrol in the subsequent year of the course. The course does not feature any progression barriers.

23.	CHOICE OF CURRICULUM	An indication of the chosen curriculum must be given at the time of enrolment. It is possible to change the curriculum during the course of study.
24.	ELECTIVE ACTIVITIES (D)	12 CFUs are reserved for the student's elective activities under Type D, to be chosen from all master's level educational activities offered by the University. The following are automatically recognized: • residual unchosen exams of the degree programme; • Type D activities activated by the Department of Computer Science and the Department of Engineering for Medicine of Innovation of the University of Verona listed on the dedicated page under the heading "Courses and other activities that can be independently added to the study booklet"; • courses on Transversal Skills. If the chosen courses do not fall among the activities listed above, the student must submit the list of educational activities they intend to follow to the Student Procedures Committee to acquire these credits. For these cases, verification is carried out by the Student Procedures Committee. Exams characterized by elementary Computer Science content will not be recognized. Within TAF D, it is not possible to recognize CFUs deriving from internship/professional traineeship activities. Type of Elective Educational Activities (D)
25.	TRANSVERSAL FORMATIVE ACTIVITIES (F), STAGE, INTERNSHIPS, OTHER	6 CFUs are provided for transversal formative activities and other activities, as well as for internships and traineeships. These activities are aimed at enabling the student to acquire direct knowledge in sectors of particular utility for entry into the workforce and for the acquisition of specific skills of professional interest. The following activities are included: • University initiatives approved by the Teaching Committee; • courses on Transversal Skills; • additional language skills compared to those provided by the study plan, up to a maximum of 3 Type F CFUs; any excess CFUs will be recognized as extracurricular credits; • work activity, up to a maximum of 3 Type F CFUs. The student can obtain recognition by submitting an application to the student secretariat (carriere.scienze@ateneo.univr.it) indicating their employment status (employee or self-employed/VAT registered). The request will be submitted to the judgment of the Student Procedures Committee, which will verify its consistency with the training path; • internship/professional traineeship activities. Such activities can be carried out in the context of laboratory or seminar courses under the direct responsibility of an individual professor, or at companies accredited with the University of Verona, Public Administration bodies, or public or private Research Laboratories (laboratories of the Science and Engineering Area are also included in this category). The verification methods relating to the acquisition of CFUs for internships and/or traineeships are defined by the responsible University bodies and published on the University website. Some internship proposals are also published under the heading "List of thesis and

		internship proposals". For the recognition of credits acquired through internships/traineeships, the University Regulations for the recognition of credits earned in internships apply. If the number of credits earned is higher than the credits provided in TAF F (i.e., 6 CFUs), those in excess will be recognized exclusively as extracurricular credits.
26.	TRANSVERSAL SKILLS	These are training paths aimed at the acquisition of transversal skills useful both from a personal and professional perspective, as well as for civic engagement, promoted by the University's Teaching and Learning Center, on whose web page all useful information for registration is published.
27.	RULES FOR SUBMITTING STUDY PLANS	The study plan is completed through an online procedure where the student selects the courses they want to take from the educational offerings of their programme, based on specific choice rules. Information at: www.univr.it/pianidistudio
28.	INDIVIDUAL STUDY PLAN	Upon request, it is possible to obtain the degree according to an individual study plan that includes educational activities different from those provided for in the didactic regulations, provided they are consistent with the degree system of the programme for the academic year of matriculation. The application for an individual plan is submitted to the competent teaching body, which evaluates its consistency.
29.	ATTENDANCE	Not compulsory. Attendance Modes
30.	TUTORING FOR STUDENTS	To guide and assist students throughout their training path, tutoring duties are assigned to certain professors. The Teaching Committee assigns each student a tutor from among the professors of the degree programme, whom the student can contact for information regarding the administrative, logistical, and educational structure of the course, for guidance in choosing educational paths, and to discuss how to overcome any difficulties encountered in the training process. Furthermore, a tutoring service carried out by senior students already enrolled at the University is established to share their university experience in support of future freshmen and fellow peers. Tutoring
31.	TRANSFER FROM ANOTHER DEGREE PROGRAMME	"Internal transfer" (<i>passaggio</i>) refers to changing the degree programme within the University of Verona. "External transfer" (<i>trasferimento</i>), on the other hand, concerns students coming from another University to the University of Verona. In the case of a transfer from another degree course, validation can take place only upon detailed documentation issued by the course/institution of origin (acquired officially), certifying the exams taken with the respective grade obtained and credits earned. The Student Procedures Committee will carry out validations applying the following criteria: • For activities for which a reference to a specific scientific-disciplinary sector is provided, the credits acquired will be validated by evaluating the content of the educational activities and the achievement of the learning objectives of the degree programme on a case-by-case basis. To supplement any credit deficiencies, the Student Procedures Committee can identify the most appropriate supplementary activities necessary to reach the credits provided for the single activity in relation to one or more active courses within the degree programme. Courses for which a number of credits lower than 40% of the total credits of the course have been earned cannot be supplemented with additional activities. In this case, it is necessary to retake the exam in its entirety. • In the case of activities for which reference to a scientific-disciplinary sector is not provided, the Student Procedures Committee will evaluate the content of the educational activities and their consistency with the objectives of the degree programme on a case-by-case basis, considering the amount of acquired credits

		that can be validated within the educational activities provided in the degree programme. In the event that a particular educational activity is the result of multiple activities that led to different grades, the final evaluation will be determined by the weighted average of the marks reported, rounded up to the nearest whole number. Following the above evaluations, the Student Procedures Committee will determine the year of enrolment. A student who wishes to transfer from another Master's Degree Programme must first submit an application for admission to verify possession of the entry requirements. Following this verification, they can request an external transfer (from another University) or an internal transfer (from another course of this University). The Student Procedures Committee is competent for validating credits earned, with respective scores, in other degree courses, in Italy or abroad. The procedure for changing regulations (<i>cambio ordinamento</i>) is the same as for internal transfers.
32.	RECOGNITION OF PRIOR CAREER	This refers to the evaluation of a previous academic career for the purposes of an internal transfer, an incoming external transfer, or a withdrawal from studies, through the partial or total recognition of previously acquired CFUs, depending on the correspondence between the two educational paths. The rules indicated for internal/external transfers to another degree programme also apply in the case of the enrolment of students who request recognition for a prior career. Following the above evaluations, the Student Procedures Committee will determine the year of enrolment. Recognition of Prior Career.
33.	DOUBLE ENROLMENT RECOGNITION	Students enrolled simultaneously in two different degree programmes may request the competent teaching body to recognize the credits acquired in the other degree programme in which they are concurrently enrolled, up to a maximum of one-third of the total credits required by the programme in which recognition is requested.
34.	NUMBER OF EXAM SESSIONS	Exam dates are made known at least 20 days in advance of the start date of the exam session. The number of sessions is equal to 3; 5 exam dates (<i>appelli</i>) are scheduled, of which 2 are at the end of the semester in which the course is delivered (February or June/July), 2 in the following semester (June/July or September), and 1 resit date (September or February).
35.	FLEXIBLE PATHS FOR SPECIFIC NEEDS	Career management takes into account the specific needs of certain categories of students. Disabilities, Specific Learning Disorders (SLD/DSA), and Special Educational Needs (SEN/BES): With particular attention to disabilities and specific learning disorders (SLD), the degree programme and the dedicated structure pursue the university inclusion of students with disabilities and specific learning disorders. To this end, it promotes the removal of material and immaterial obstacles that prevent full inclusion, and also promotes the adoption of mutually agreed accommodations for participation in lectures, exams, other teaching activities, and university life in general, in compliance with applicable legislation and without prejudice to the teaching autonomy of professors. In particular, the degree programme facilitates accessibility to structures and teaching materials, and promotes the use of distance learning methods (synchronous or asynchronous) to meet specific needs expressed by students with disabilities or specific learning disorders. Within the limits of applicable regulations, it favors the university inclusion of students with special educational needs. Part-time Enrolment: The part-time status regulates exclusively the duration of the university career and the related financial fees, allowing students to obtain their degree without falling into the "delayed graduation" (<i>fuori corso</i>) status, for twice the standard duration of the course itself.

		Enrolment in Single Courses: It is possible to follow individual courses offered within bachelor's and master's degree programmes for an academic year and take the related profit exams, receiving regular certification, including an indication of the CFUs earned. Student-Athlete: Those who possess sports merits of particular competitive significance may access the student-athlete status. Annually, a specific notice regulates the access and retention requirements of student-athletes for the dual-career path, allowing them to successfully complete an academic career combined with their sports career.
36.	FINAL EXAMINATION	24 CFUs are dedicated to the final examination. It consists of the drafting and discussion of a Master's Thesis. Purpose of the Master's Thesis: The purpose of the thesis is to develop an original study leading to the realization of an application project, to theoretical results within the disciplines characterizing the course of study, or to the drafting of a critical review of the state of the art in a given field. During the development of the thesis, the graduating student must, under the guidance of the supervisor and any co-supervisors, address the study and in-depth analysis of the chosen topics, and acquire skills of synthesis and creative application of the knowledge acquired. The thesis will present the activities carried out in written form and must be compiled in English. The thesis must be presented and discussed in the final examination. The presentation can be carried out in both English and Italian, also with the aid of multimedia supports such as slides, videos, images, and sounds. Procedure and Evaluation: Each Master's Thesis can be internal or external depending on whether it is carried out at the University of Verona or in collaboration with another body. Each thesis involves a supervisor, possibly joined by one or more co-supervisors, and a co-examiner (<i>controrelatore</i>). The co-examiner is appointed by the Teaching Committee at least 20 days before the discussion of the thesis, after verifying the student's eligibility to take the Master's graduation exam. Regarding legal aspects (e.g., intellectual property of the results) linked to the thesis and the results contained therein, reference is made to current legislation and University Regulations. Evaluation of the Thesis: The criteria on which the supervisor, any co-supervisors, and the co-examiner are called to express their opinion are the following: 1. Level of in-depth study of the work carried out, in relation to the state of the art of the computer engineering disciplinary sectors, with emphasis on applications to medical and biological fields; 2. Knowledge or technological advancement brought by the thesis; 3. Critical commitment expressed by the graduating student; 4. Experimental and/or formal development commitment expressed by the graduating student; 5. Autonomy of work expressed by the graduating student; 6. Significance of the methodologies employed; 7. Accuracy of performance and writing. The co-examiner is not called to express an opinion on point 5. Graduation Grade: The graduation grade (expressed out of 110) is an integer value between 66/110 and 110/110 and is formed by the sum, rounded to the nearest whole number (e.g., 93.50 becomes 94, 86.49 becomes 86), of the following addends:

		○ Weighted average based on credits and converted out of 110 of the grades obtained in the profit exams; ○ Evaluation of the graduation interview and the thesis according to the following methods: A. allocation of a coefficient between 0 and 1 (fractional with one decimal digit) for each of points 1–7 listed above; B. allocation of a coefficient between 0 and 1 (fractional with one decimal digit) for the quality of the presentation; C. sum of the coefficients assigned to points a and b. The presence of any honors obtained in the exams taken, participation in internships officially recognized by the Teaching Committee of Information Engineering, passing extracurricular exams, and reaching the Master's Degree within a short timeframe compared to the legal duration of the study course can be used by the Graduation Committee to allocate a further increase of one point. If the sum obtained reaches 110/110, the Committee can decide to award honors (<i>laude</i>). Honors are proposed and discussed by the Committee, without the adoption of particular automatic calculation mechanisms. Based on current regulations, honors are awarded only if the opinion is unanimous. External Theses: An external thesis is carried out in collaboration with an entity other than the University of Verona. In this case, the graduating student must previously agree on the topic of the thesis with a supervisor from the University. Furthermore, at least one co-supervisor belonging to the external body is provided as an immediate reference for the student during the performance of the thesis activity. The supervisor and co-supervisors must be indicated in the thesis assignment application. The insurance arrangements for the student's stay at the external entity are regulated by the rules in force at the University of Verona. If the thesis takes the form of a training period at such an entity, then it is necessary to stipulate an agreement between the University and said entity. The results contained in the thesis are the shared property of all people and entities involved. In particular, the contents and results of the thesis are to be considered public. For everything regarding non-strictly scientific aspects (e.g., agreements, insurances), reference is made to the Academic Senate resolution of January 12, 1999. Supervisor, Co-Supervisors, Co-Examiner: The Master's Thesis is presented by a supervisor who is a tenured professor or researcher of the Department of Engineering for Medicine of Innovation, or by a professor external to the Department upon approval by the Chair of the Teaching Committee, who will evaluate the sectoral consistency and competence. In addition to those who meet the requirements indicated with respect to the role of supervisor (as indicated above), researchers operating in extra-university research institutes, research fellows, post-doctoral scholarship holders, PhD students, technical staff of the Department, subject experts (<i>cultori della materia</i>) appointed by an Italian University and still in force, and expert company representatives in the sector considered in the thesis can also act as co-supervisors. Any professor or researcher of the Department of Engineering for Medicine of Innovation of the University of Verona who is particularly competent in the specific field of study of the thesis can be appointed as a co-examiner.
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		Procedures and Deadlines: The student approaching the end of their studies must identify a thesis topic proposed or approved by a supervisor and any co-supervisors. When the thesis work approaches its conclusion, the student must submit the graduation application to the student secretariat, containing the title (even provisional) of the thesis, the name of the supervisor, of any co-supervisors (only for external theses), and of the co-examiner. Subsequently, on dates established by the Secretariat and in any case no later than 20 days before the graduation exam, the student must submit the graduation form showing the definitive title of the thesis, a form that must be signed by the supervisor. These documents must be delivered according to the times dictated by the said secretariat. The student must also: i) proceed with uploading the thesis into ESSE3; ii) transmit a copy of the Master's Thesis in PDF format to the co-examiner. In order to be admitted to the graduation exam, the student must have acquired the credits in the disciplinary sectors provided for by the regulations and study plan of the Master's Degree Course according to the degree class chosen by them during enrolment, and be up to date with the payment of tuition fees and contributions. The degree course secretariat will take care of inviting all supervisors and co-supervisors involved to the graduation session, providing them with the timetable at which the presentations/discussions of the theses of their interest will take place. Graduation Final Examination Committee: The committee for the final examination must include 5 members, of whom at least 4 are tenured professors or researchers of the Department of Engineering for Medicine of Innovation with a teaching assignment within the Master's Degree Course in Computer Engineering for Intelligent Systems. In light of the number of graduating students, the Teaching Committee will identify the most appropriate organizational methods for conducting the exam and make the schedule of the exams public at least one week before they take place. The methods and deadlines for submitting the graduation application are established by the Teaching Committee and the competent secretariats.
37.	FURTHER INFORMATION	Teaching Committee: The organizational management of the Degree Course is entrusted to the Inter-university Teaching Committee of Information Engineering (CD), which belongs to the Department of Engineering for Medicine of Innovation. The CD can establish within itself Committees delegated to the performance of specific tasks in accordance with the provisions of the University Statute and Regulations. The Committees perform functions of a preliminary nature in relation to the various procedures, expressing preliminary evaluations with respect to the substantive resolutions of the CD. The Committee appoints the Contact Person of the Course and the QA Committee. Academic Calendar Foreign Qualifications and Periods of Study Spent Abroad: The Student Procedures Committee is competent for the recognition of credits earned abroad by the student, with the respective score. Following the evaluations, the Student Procedures Committee will determine the year of enrolment. The recognition of credits earned by students enrolled in the Master's Degree Course in Computer Engineering for Intelligent Systems during study periods abroad, within international programmes to which the University of Verona adheres, is submitted to the evaluation of the Student Procedures Committee pursuant to the Regulations of the Science and Engineering Area.

