Advanced Telecommunications Systems, Information Processing and Transmission

1. **Admission Requirements:**
   - **Prerequisites**:
     - Graduates with a bachelor's degree from a bachelor's degree course or graduates with an equivalent degree from a long-term university course may apply for admission to the master's degree course.
     - Non-EU Citizens - Contingent upon the presentation of the Graduation Certificate from the preparatory year (excluding those who have completed their previous studies in the Romanian language) and obtaining the Letter of Acceptance issued by the Ministry of Education.
     - EU Citizens + Swiss Confederation - Contingent upon the presentation of the Graduation Certificate from the preparatory year (excluding those who have completed their previous studies in the Romanian language) and the recognition of their studies by the National Centre for Recognition and Equivalence of Diplomas (CNRED).
   - **Entrance Exams**:
     - The admission process includes a structured interview on a predetermined topic.
     - Admission to the Master's programmes, both for free and fee-based studies, is strictly in descending order of the admission averages obtained by the candidates, within the limit of the places for which the admission competition is organised.
2. **Degree Levels:**
   - **Graduate Level**: **Advanced Telecommunications Systems, Information Processing and Transmission**
     - Master's Degree: 2-year program following a bachelor's degree.
3. **Curriculum:**
   - **Core Courses:**
     - Advanced Data Dissimulation Techniques
     - Advanced Communication Techniques
     - Advanced Image Processing Techniques
   - **Electives:**
     - Advanced Technologies for Embedded Systems / Database Design and Programming
     - Design of Integrated Circuits for Signal Processing / Design and Control of Intelligent Indoor Systems

- **Major/Concentration:**
  - Mobile Application Development
  - Integrated Systems for Signal Processing
  - Advanced Communication Systems
  - Information Processing and Coding in Communication Networks
  - Modeling, Analysis, and Design of Communication Systems and Networks
  - Communication Protocols and Interfaces for the Industrial Environment
  - Biomedical Signal and Image Processing
  - Research Practice
- **General Education Requirements:**
  - Successfully fulfilling mandatory and optional courses and seminars, actively participating in research within student circles, and contributing to scientific conferences.

4. **Credits:**
   - Each semester carries a weight of 30 ECTS, with a total of 120 ECTS required for graduation.

5. **Internships and Practical Experience:**
   - Students have the opportunity to undertake internships at companies such as SC ARCTIC SA, SC AUTOMOBILE DACIA SA, SPEEH HIDROELECTRICA SA, SC INFOBIT CONSULT SRL, SC LIN IMPEX SRL, ERICSSON.

6. **Research Requirements:**
   - Each dissertation will encompass both a theoretical component and a case study, whether theoretical or practical, within the specified field of specialization, with the guidance of an advisory professor.

7. **Academic Advising:**
   - Throughout each academic year, a dedicated tutor is assigned to assist every student in course selection, academic planning, and addressing any concerns that may arise.

8. **Extracurricular Activities:**
   - Students may have the option to participate in clubs, organizations, or extracurricular activities related to their field of study or personal interests.

9. **Examinations:**
   - The courses will span 14 weeks during each semester. Successful completion of these exams is mandatory to earn study credits.
   - For each discipline, examinations may take the form of written, oral, or practical exams, as outlined in the discipline sheet at the start of each academic year.

- Examinations are conducted during the scheduled exam sessions announced at the commencement of each academic year.

10. **Thesis/Dissertation Defense:**
- The preparation of the Master's Dissertation is conducted under the guidance of a scientific coordinator.
- The committee responsible for assessing the dissertation thesis is appointed by the decision of the rector and includes a president, three members, and a secretary, all of whom are specialized teaching staff.
- In order to submit the thesis, each student must have accrued 120 ECTS from the mandatory and elected subjects.
- The thesis topic must pertain to the field of Electronics and Telecommunications.

11. **Graduation Requirements:**
- Graduation requires students to fulfill all program requirements, including achieving the prescribed number of ECTS credits and successfully completing a final examination.

12. **Degree Awarding:**
- Master's Degree in Advanced Telecommunications Systems, Information Processing and Transmission.