

UNIVERSITY OF ORADEA
FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY
Cycle's Master Degree

Master's Degree Program: **AUDIO - VIDEO TECHNOLOGY AND TELECOMMUNICATIONS**

Fundamental Field:

Master's Field: **ELECTRONICAL ENGINEERING, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES**

Secondary Master Field:

Master Type:

Duration of studies / no. of credits: **4 semestre/120 credits**

Type of education: **Full-time learning (IF)**

Valid from academic year
 2024-2025
 Beginning with 1st year of study

CURRICULUM **
Year of study I

Code	Disciplines*	Type	Sem. I [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-1182	Special issues of electronics	SYD	2	1	-	1	56	Ex	5	69	
IETI-1181	Synthesis of audio-video signals for Virtual Reality	THD	2	-	1	-	42	Ex	5	83	
IETI-0286	Nonstationary signal analysis and synthesis	SYD	2	-	1	-	42	Ex	5	83	
IETI-1183	Security of telecommunications networks and services	THD	2	-	1	-	42	Ex	5	83	
IETI-1184	Artificial intelligence in telecommunications	THD	-	-	-	2	28	Vp	3	47	
IETI-1164	Research practice I	THD	-	-	-	-	154	Vp	7	21	
	TOTAL		8	1	3	3	364		30	386	

Code	Disciplines*	Type	Sem. II [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0384	Advanced audio □video data coding and compression	SYD	2	-	1	-	42	Ex	4	58	
IETI-0391	Media and telecommunications hardware structures	THD	2	-	1	-	42	Ex	4	58	
IETI-0781	Hardware structures for multimedia and telecommunications - project	THD	-	-	-	1	14	Vp	2	36	
IETI-0393	Advanced imaging techniques	SYD	2	-	1	-	42	Ex	5	83	
IETI-0773	Advanced imaging techniques - project	SYD	-	-	-	2	28	Vp	2	22	
IETI-0774	Advanced electronic technologies	THD	2	-	1	-	42	Ex	5	83	
IETI-1109	Ethics and integrity in scientific research	SYD	1	-	-	-	14	Ex	2	36	
IETI-1165	Research practice II	THD	-	-	-	-	140	Vp	6	10	
	TOTAL		9	-	4	3	364		30	386	

Legend: C - Course; S - Seminar; L - Practical (laboratory); P - Project; IS - Individual Study;

THD - Thoroughgoing Disciplines; SYD - Synthesis Disciplines;

Type of Examination - Verification Form, Ex. - examination; Cv. - Colloquium, Vp. - Continuous Assessment, Pr - Project; A/R- Passed/Failed; Credits - number of ECTS credits; IS - Individual study.

**Head of department ,
 lecturer dr. eng. Adrian Traian BURCA**

**RECTOR,
 Professor Dr. BUNGĂU Constantin**

**DEAN,
 Associate Professor dr. GERGELY Eugen Ioan**

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CURRICULUM **
Year of study II

Code	Disciplines*	Type	Sem. III [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-0314	Video equipments	THD	2	-	1	-	42	Ex	5	83	
IETI-0387	Digital transmission systems using optical fibers	THD	2	-	-	-	28	Ex	4	72	
IETI-0931	CAD techniques for audio-video equipment	THD	2	-	2	-	56	Ex	5	69	
IETI-0378	Telecommunications networks	THD	2	-	1	-	42	Ex	4	58	
IETI-0928	Microsystems for electronics and telecommunications	THD	2	-	-	1	42	Vp	5	83	
IETI-1166	Research practice III	THD	-	-	-	-	154	Vp	7	21	
	TOTAL		10	-	4	1	364		30	386	

Code	Disciplines*	Type	Sem. IV [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IETI-1186	Practice for elaboration of dissertation	THD	-	-	-	-	140	Vp	11	135	
IETI-0929	Information and communications modern technologies	THD	1	-	1	1	42	Ex	5	83	
IETI-0829	Digital transmission systems over optical fiber - project	THD	-	-	-	1	14	Vp	2	36	
IETI-1185	Entrepreneurship in electronics and telecommunications engineering	SYD	-	-	-	2	28	Vp	2	22	
IETI-0908	Dissertation development	THD	-	-	-	-	140	Vp	10	110	
	TOTAL		1	-	1	4	364		30	386	

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**Head of departament ,
 Professor dr.eng. Daniel TRIP**

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 Professor Dr. BUNGĂU Constantin**

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