

## BACHELOR IN SPEECH AND LANGUAGE THERAPY

**Main Language of Instruction:**  
French  English  Arabic

**Campus Where the Program Is Offered:** CIS

### OBJECTIVES

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The Bachelor in Speech and Language Therapy aims to equip students with the following skills:

- Assess communication and swallowing disorders;
- Design effective treatment plans;
- Implement tailored care strategies;
- Serve diverse populations;
- Collaborate with healthcare professionals;
- Provide high-quality therapeutic interventions;
- Engage in research and lifelong learning;
- Adhere to ethical and professional standards.

### PROGRAM LEARNING OUTCOMES (COMPETENCIES)

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- Conduct thorough clinical assessments for screening, evaluating, and implementing speech and language therapy intervention, employing quantitative reasoning and critical thinking;
- Collaborate with diverse therapists, adapting communication methods to different audiences and contexts, to establish comprehensive intervention plans supported by both oral and written rationales;
- Acquire communication skills necessary for establishing therapeutic relationships with patients, facilitating oral and written exchanges, sharing information, and educating parents, professionals, and the patients' support networks;
- Actively participate in clinical research endeavors aimed at advancing linguistic knowledge and the speech and language therapy profession in Lebanon, considering the unique context and applying quantitative reasoning and critical thinking;
- Adhere to ethical and professional principles in all speech and language therapy practices;
- Recognize the importance of lifelong learning.

### PROGRAM REQUIREMENTS

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**240 credits: Required courses (189 credits), Institution's elective courses (12 credits), Open elective courses (6 credits), USJ General Education Program (33 credits)**

#### Fundamental Courses

##### Required Courses (189 Cr.)

Adult Psychiatry (2 Cr.). Advanced Linguistics: Syntax Analysis 1 (3 Cr.). Advanced Linguistics: Syntax Analysis 2 (2 Cr.). Anatomy and Physiology of Speech (2 Cr.). Anatomy, Physiology and Pathology of the Auditory System (3 Cr.). Arabic for SLT (2 Cr.). Articulation and Motor Speech Disorders (1 Cr.). Artificial Intelligence in Speech Therapy: Applications and Prospects (2 Cr.). Assessment of Communication and Language Disorders (2 Cr.). Assessment Principles in SLT (2 Cr.). Atypical Swallowing (1 Cr.). Augmentative and Alternative Communication (2 Cr.). Autism and Communication Disorders (3 Cr.). Child and Adolescent Psychiatry (3 Cr.). Clinical Approach to SLT 1 (2 Cr.). Clinical Approach to SLT 2 (2 Cr.). Clinical Approach to SLT 3 (2 Cr.). Clinical Approach to SLT 4 (2 Cr.). Clinical Approach to SLT 5 (3 Cr.). Clinical Approach to SLT 6 (2 Cr.). Clinical Approach to SLT 7 (2 Cr.). Clinical Approach to SLT 8 (2 Cr.). Clinical Intervention and Decision-Making in SLT (2 Cr.). Communication and Language Disorders: Introduction (4 Cr.). Communication and Oral Language Development (2 Cr.). Development of Prelogical and Logical Reasoning (1 Cr.). Developmental Language Disorders (3 Cr.). Diagnostic Investigations in Psychology (2 Cr.). Diagnostic Investigations in Psychomotor Therapy (1 Cr.). English for SLT 2 (4 Cr.). Executive Functions in SLT Intervention (2 Cr.). Feeding and Swallowing Disorders 3-Dysphagia (2 Cr.). Fluency Disorders (4 Cr.).

Functional Neuroanatomy (2 Cr.). Genetic Syndromes (3 Cr.). Institutional Internship - SLT (5 Cr.). Intervention for Communication and Language Disorders (3 Cr.). Introduction to Education Sciences (2 Cr.). Introduction to Linguistics (3 Cr.). Introduction to Literacy Development (2 Cr.). Occupations in rehabilitation (1 Cr.). Introduction to Speech and Language Therapy (2 Cr.). Profiles in Individuals with Cerebral Palsy: Assessment and Intervention (3 Cr.). Language Assessment in Adults with Acquired Language Disorders (3 Cr.). Language Intervention in Adults with Acquired Language Disorders (2 Cr.). Management of Feeding and Swallowing Disorders (3 Cr.). Math Cognition Developmental Disorders (2 Cr.). Mediation in SLT 2 (2 Cr.). Medical Research Updates About Developmental Disorders (3 Cr.) Neurocognitive and Neurodegenerative Disorders (2 Cr.). Neurological Disorders (3 Cr.). Ophthalmology (1 Cr.). Orthodontics and Facial Stomatolgy (2 Cr.). Pathologies of Voice (1 Cr.). Pediatrics and Genetics (2 Cr.). Phonetics 1 (3 Cr.). Phonetics 2 (2 Cr.). Practicum 1 (1 Cr.). Practicum 2 (1 Cr.). Practicum 3 (3 Cr.). Practicum 4 (3 Cr.). Practicum and Internship 1 (4 Cr.). Practicum and Internship 2 (4 Cr.). Preliminary Research Project 1 (2 Cr.). Preliminary Research Project 2 (3 Cr.). Professional Report-Writing and Communication (2 Cr.). Development and Introduction to Psychomotor Therapy (3 Cr.). Research Methods: Introduction to Research in Speech and Language Therapy (2 Cr.). Research Methods: Scientific Reading and Critical Appraisal (2 Cr.). Research Methods: Concepts and Methodology (2 Cr.). Research Methods: Types and Quantitative Designs (2 Cr.). SLT Assessment and Intervention in Math Cognition Developmental Disorders (2 Cr.). SLT Assessment in Individuals Who Are Deaf and Hard of Hearing (3 Cr.). SLT Intervention in Children with Hearing Impairment (3 Cr.). Speech and Language Therapy University Clinics (7 Cr.). Voice Management 1 (2 Cr.). Voice Management 2 (2 Cr.). Written Language Disorders 1: Symptomatology and Assessment (2 Cr.). Written Language Disorders 2: Intervention (3 Cr.).

**Institution's Elective Courses (12 Cr.), to be chosen from the list below:**

Body and Language Communication Workshop (2 Cr.). Interactive Book Reading (2 Cr.). Mediation in SLT 1 (2 Cr.). Pedagogy Through Art (3 Cr.). Personal Development Workshop (2 Cr.), Polyphonic Singing 1 (2 Cr.). Polyphonic Singing 2 (2 Cr.). Practical Introduction to Research I (2 Cr.). Relaxation Techniques I (2 Cr.). Toolkit for University Integration (2 Cr.).

**Open Elective Courses (6 Cr.)**

Code	Course Name	Credits
	<b>ENGLISH OR OTHER LANGUAGE</b>	<b>4</b>
040SELAL7	English Level A	4
	<b>ARABIC</b>	<b>4</b>
	<i>Arabic Language and Culture</i>	2
435LALML2 Or 435LRCTL2	Arabic Language and Culture: Arabic Language and the Media Or Arabic language: Contemporary Novel, Cinema and the Media <i>Other Course Taught in Arabic</i>	2
065CLS2M1	Specific Terminologies: Advanced Arabic Language Course (CLAS)	2
	<b>HUMANITIES</b>	<b>9</b>
064VAEL1	USJ Values in Daily Life	2
	<i>Ethics</i>	2
040BIOEL7	Bioethics	2
	<i>Civic Engagement and Citizenship</i>	2
015ABC2L3	Volunteering and Civic Action	2
	<i>Other Humanities Course</i>	3
040DVSPL1	Developmental and Social Psychology	3
	<b>SOCIAL SCIENCES</b>	<b>6</b>
	<i>Professional Integration and/or Entrepreneurship</i>	2
015LIPPL5	Leadership, Innovation and Professionalism	2

<b>Other Social Sciences Courses</b>		
065EC2SM2	Introduction to Health Policy and Systems	2
040DEONL8	Deontology and Legislation	2
	<b>QUANTITATIVE TECHNIQUES</b>	<b>6</b>
040RMPSL5	Research Methods: Introduction to Statistical Tests	2
040PRACL8	Research Methods: Inferential Statistics	2
040PIR2L6	Practical Introduction to Research 2	2
	<b>COMMUNICATION TECHNIQUES</b>	<b>4</b>
040ENSTL1	English for SLT 1	3
040SCPIL8	Specialized Communication and Public Information	1

### **USJ General Education Program (33 Cr.)**

#### **SUGGESTED STUDY PLAN**

The tables below list all of the Required and Institution's Elective Courses that must be taken, along with 6 credits of Open Elective Courses.

#### **Semester 1**

<b>Code</b>	<b>Course Name</b>	<b>Credits</b>
040APPSL1	Anatomy and Physiology of Speech	2
040APPAL1	Anatomy, Physiology and Pathology of the Auditory System	3
040SEMIL1	Clinical Approach to SLT 1	2
040DVSPL1	Developmental and Social Psychology	3
040ENSTL1	English for SLT 1	3
040ITESL1	Introduction to Education Sciences	2
040ISLTL1	Introduction to Speech and Language Therapy	2
435LALML2 <b>Or</b> 435LRCTL2	Arabic Language and Culture: Arabic Language and the Media Arabic Language: Contemporary Novel, Cinema, and Theater	2
040OPORL1	Ophthalmology	1
040PRACL1	Practicum 1	1
040PDPTL1	Psychomotor Development and Introduction to Psychomotor Therapy	3
064VALEL1	USJ Values in Daily Life	2
	<b>Elective course</b>	<b>4</b>
	<b>Total</b>	<b>30</b>

#### **Semester 2**

<b>Code</b>	<b>Course Name</b>	<b>Credits</b>
040ARENL2	Arabic for SLT	2
040SEMIL2	Clinical Approach to SLT 2	2
040COLDL1	Communication and Oral Language Development	2

040ENSL2	English for SLT 2	4
040FUNEL2	Functional Neuroanatomy	2
040OTOML2	Orthodontics and Facial Stomatology	2
040PEGEL2	Pediatrics and Genetics	2
040PHO1L2	Phonetics 1	3
040PRACL2	Practicum 2	1
040RMP1L2	Research Methods: Introduction to Research in Speech and Language Therapy	2
015ABC2L3	Volunteering and Civic Action	2
040LINSL2	Introduction to Linguistics	3
	<b>Elective course</b>	2
	<b>Total</b>	<b>29</b>

#### Semester 3

Code	Course Name	Credits
040CLAPL3	Clinical Approach to SLT 3	2
040ALSL3	Advanced Linguistics: Syntax Analysis 1	3
040ITLDL4	Introduction to Literacy Development	2
040AMSDL3	Articulation and Motor Speech Disorders	1
040DCLDL3	Communication and Language Disorders: Introduction	4
040GNTSL3	Genetic Syndromes	3
040MFSDL3	Management of Feeding and Swallowing Disorders	3
040CAPSL3	Child and Adolescent Psychiatry	3
040PATHI3	Pathologies of Voice	1
040PRANL3	Practicum 3	3
040PANEL3	Neurological Disorders	3
	<b>Elective course</b>	<b>2</b>
	<b>Total</b>	<b>30</b>

#### Semester 4

Code	Course Name	Credits
040CAP4L4	Clinical Approach to SLT 4	2
040ALSL4	Advanced Linguistics: Syntax Analysis 2	2
040ADPSL3	Adult Psychiatry	2
040AIHIL4	SLT Assessment in Individuals Who Are Deaf and Hard of Hearing	3
040RMPCL4	Research Methods: Scientific Reading and Critical Appraisal	2
040LCCPL4	Language and Communication Profiles in Individuals with Cerebral Palsy: Assessment and Intervention	3
040AACOL4	Augmentative and Alternative Communication	2
040CLDAL4	Assessment of Communication and Language Disorders	2
040CLDIL4	Intervention for Communication and Language Disorders	3
040WLDIL5	Written Language Disorders 1: Symptomatology and Assessment	2

040ASARL4	Atypical Swallowing	1
040PHO2L2	Phonetics 2	2
494OCCRL4	Occupations in Rehabilitation	1
040PRA4L4	Practicum 4	3
040DAMCL6	Math Cognition Developmental Disorders	2
	<b>Elective course</b>	2
	<b>Total</b>	<b>34</b>

#### Semester 5

Code	Course Name	Credits
040CLNWL5	Clinical Approach to SLT 5	3
040SIDCL5	Developmental Language Disorders	3
040FASDL5	Feeding and Swallowing Disorders 3-Dysphagia	2
040LAADL5	Language Assessment in Adults with Acquired Language Disorders	3
040PRINL5	Practicum and Internship 1	4
040PRWCL5	Professional Report-Writing and Communication	2
040RMPSL5	Research Methods: Introduction to Statistical Tests	2
040ASDCL5	Autism and Communication Disorders	3
040VOMNL5	Voice Management 1	2
040WLDIL6	Written Language Disorders 2: Intervention	3
	<b>Elective course</b>	2
	<b>Total</b>	<b>29</b>

#### Semester 6

Code	Course Name	Credits
040APSLL6	Assessment Principles in SLT	2
040CASLL6	Clinical Approach to SLT 6	2
040FLUEL6	Fluency Disorders	4
040LIALL6	Language Intervention in Adults with Acquired Language Disorders	2
040DPLRL6	Development of Prelogical and Logical Reasoning	1
040PRINL6	Practicum and Internship 2	4
040RMPML6	Research Methods: Concepts and Methodology	2
040VOMAL6	Voice Management 2	2
040MSLTL6	Mediation in SLT 2	2
040PIR2L6	Practical Introduction to Research 2	2
040INTVL5	SLT Intervention in Children with Hearing Impairment	3
	Open Elective Course	2
	<b>Total</b>	<b>28</b>

### Semester 7

Code	Course Name	Credits
040BIOEL7	Bioethics	2
040CLAPL7	Clinical Approach to SLT 7	2
040CIDML7	Clinical Intervention and Decision-Making in SLT	2
040DINPL7	Diagnostic Investigations in Psychology	2
040DIPTL7	Diagnostic Investigations in Psychomotor Therapy	1
040SELAL7	English Level A	4
040EFSIL7	Executive Functions in SLT Intervention	2
040PRP1L7	Preliminary Research Project 1	2
040RMPRL7	Research Methods: Types and Quantitative Designs	2
040AICML7	SLT Assessment and Intervention in Math Cognition Developmental Disorders	2
040AISTL7	Artificial Intelligence in Speech and Language Therapy: Applications and Prospects	2
065CLS2M1	Specific Terminologies : Advanced Arabic language Course (CLAS)	2
040NNDSL8	Neurocognitive and Neurodegenerative Disorders	2
	Open Elective Course	4
	<b>Total</b>	<b>31</b>

### Semester 8

Code	Course Name	Credits
040APPRL8	Clinical Approach to SLT 8	2
040DEONL8	Deontology and Legislation	2
040INTNL8	Institutional Internship - SLT	5
065EC2SM2	Introduction to Health Policy and Systems	2
040MRUDL8	Medical Research Updates About Developmental Disorders	3
040PRLML8	Preliminary Research Project 2	3
040PRACL8	Research Methods: Inferential Statistics	2
040SCPIL8	Specialized Communication and Public Information	1
040STCIL8	Speech and Language Therapy University Clinics	7
015LIPPL5	Leadership, Innovation and Professionalism	2
	<b>Total</b>	<b>29</b>

## COURSE DESCRIPTION

<b>040AACOL4</b>	<b>Augmentative and Alternative Communication</b>	<b>2 Cr.</b>
This course allows students to:		
<ul style="list-style-type: none"><li>- Acquire knowledge about the SLP's role in AAC</li><li>- Acquire knowledge about AAC systems and tools</li><li>- Identify skills needed by AAC users</li><li>- Choose an assessment plan and use appropriate assessment tools to the individual's needs</li><li>- Acquire knowledge about the SLP's role in AAC intervention team</li><li>- Choose and develop an AAC system suitable to the user's needs</li><li>- Develop intervention plans suitable to the individual's needs</li><li>- Acquire information about AAC intervention in different pathologies and disabilities</li></ul>		
<b>Prerequisites:</b>	Communication and Oral Language Development (040COLDL1); Communication and Language Disorders: Introduction (040DCLDL3).	
<b>040ADPSL3</b>	<b>Adult Psychiatry</b>	<b>2 Cr.</b>
The course delves into the multifaceted psychopathological disorders seen in adults, exploring the interplay of psychological, biological, and social factors influencing their onset and persistence. It aims to provide a comprehensive understanding of these issues, presenting each disorder with diagnostic criteria, associated risk factors, and an overview of treatment options. By the end of this course, speech therapy students will develop the essential skill of identifying key symptoms of psychiatric disorders, allowing them to refer individuals to appropriate professionals when needed. Additionally, students will learn to recognize clinical scenarios and analyze cases through composing clinical observations.		
<b>040ALSAL3</b>	<b>Advanced Linguistics: Syntax Analysis 1</b>	<b>3 Cr.</b>
This course offers practical sessions focused on syntactic analysis in English, Lebanese Arabic, and French. It emphasizes recognizing and describing key syntactic structures in these languages. The primary objective is to equip students with the skills to identify syntactic aspects affected by language disorders, thereby improving their effectiveness as speech and language pathologists.		
<b>Prerequisites:</b> Introduction to Linguistics (040LINSL2), Phonetics 1 (040PHO1L2)		
<b>040ALSAL4</b>	<b>Advanced Linguistics: Syntax Analysis 2</b>	<b>2 Cr.</b>
This course provides the students with the knowledge to:		
<ul style="list-style-type: none"><li>- Acquire current and adapted linguistic terminology;</li><li>- Analyze and critically evaluate information collected typical adult syntax acquisition;</li><li>- Recognize and describe the major syntactic constructions of French, English, and different varieties of modern Arabic, with a specific focus on the Lebanese dialect;</li><li>- Identify syntactic aspects affected by language disorders.</li></ul>		
<b>Prerequisite:</b> Advanced Linguistics: Syntax Analysis 1 (040ALSAL3)		
<b>040APPSL1</b>	<b>Anatomy and Physiology of Speech</b>	<b>2 Cr.</b>
This course aims to enhance students' comprehension of fundamental sciences that support the clinical evaluation and treatment of voice disorders in speech therapy. Additionally, it provides essential clinical insights for effective collaboration within voice therapy teams.		
<b>040APPAL1</b>	<b>Anatomy, Physiology and Pathology of the Auditory System</b>	<b>3 Cr.</b>
This course aims to enhance students' comprehension of fundamental sciences to better support the clinical assessment and intervention process in speech and language therapy for individuals with auditory impairments. Additionally, it provides students with essential clinical knowledge to effectively collaborate with other therapists.		

<b>040AREN12</b>	<b>Arabic for SLT</b>	<b>2 Cr.</b>
This course spans one academic semester and includes 10 to 12 in-person lessons, equivalent to approximately 12.5 to 15 instructional hours. It aims to help students master spoken and written Arabic, a skill essential for their future profession. This is achieved through exercises and games that encourage critical thinking about word and sentence formation.		
<b>435LRCTL2</b>	<b>Arabic Language: Contemporary Novel, Cinema, and Theater</b>	<b>2 Cr.</b>
This course offers students an engaging and accessible introduction to the Arabic language and culture. Through the study of sung poetry and a range of contemporary novels, students will develop practical oral and written language skills.		
<b>435LALML2</b>	<b>Arabic Language and Culture: Arabic Language and the Media</b>	<b>2 Cr.</b>
This course allows students to explore the Arabic language and its culture in a flexible and engaging manner. It covers the uses of the Arabic language in visual, auditory, and written media, such as journalism, as well as in visual, auditory, and written advertisements. Students will develop practical oral and written linguistic skills that are both relevant and applicable.		
<b>040AMSDL3</b>	<b>Articulation and Motor Speech Disorders</b>	<b>1Cr.</b>
This course focuses on articulation and motor speech disorders, covering their classifications, symptoms, and underlying genetic and neurological causes. By the end of the course, students will be equipped to assess, diagnose, and treat these disorders, distinguishing them from similar conditions. This course contributes to the development of the following competencies: <ul style="list-style-type: none"> <li>- Clinical approach: Students will learn to conduct interventions for screening and assessments in speech and language therapy within a clinical framework.</li> <li>- Collaboration: Emphasis is placed on collaborating with various therapists to establish appropriate interventions tailored to individual contexts.</li> <li>- Research: Students will actively engage in clinical research processes, contributing to the advancement of linguistic knowledge and strengthening speech and language therapy practices in Lebanon.</li> </ul>		
<b>Prerequisite:</b> Anatomy and Physiology of Speech (040APPSL1)		
<b>040AISTL7</b>	<b>Artificial Intelligence in Speech and Language Therapy: Applications and Prospects</b>	<b>2 Cr.</b>
This course covers the numerous applications of AI in enhancing practices in speech and language therapy. Students will explore how generative AI can be used to create content, language, and useful resources in the field. The course emphasizes practical applications, tools, and the ethical implications of using generative AI in the context of rehabilitation and communication.		
<b>040CLDAL4</b>	<b>Communication and Language Disorders</b>	<b>2 Cr.</b>
This course introduces students to the assessment of oral language and speech components, including phonology, vocabulary, and syntax. It covers assessment procedures, data interpretation, and report writing.		
<b>Prerequisite:</b> Communication and Oral Language Development (040COLDL1)		
<b>040APSLL6</b>	<b>Assessment Principles in SLT</b>	<b>2 Cr.</b>
This course emphasizes the use of evidence-based practices in both evaluation and intervention, aligning with key recommendations from health organizations and speech-language therapy professionals. To effectively support clinical decisions, SLTs must adhere to a comprehensive methodology tailored to their patients' unique contexts and environments. Rooted in clinical vignettes within the multicultural and multilingual Lebanese setting, this course aims to equip students with the skills to apply reflective methodologies in evaluation and to develop scientifically grounded intervention plans. This course contributes to the following learning achievements: <ul style="list-style-type: none"> <li>- Perform screenings and assessments in speech and language therapy using a clinical approach;</li> <li>- Collaborate with various therapists to develop tailored interventions suitable for each individual's needs;</li> <li>- Inform healthcare professionals, parents, and the patient's environment about the specific disorders encountered and their impact on the individual's life for prevention and screening purposes;</li> </ul>		

- Develop intervention programs and protocols tailored to each individual case;
- Adhere to ethical code in the practice of speech and language therapy.

**Prerequisites:** Assessment of Communication and Language Disorders (040CLDAL4), Written Language Disorders 2: Intervention and Collaboration (040WLDIL6)

**040ASARL4 Atypical Swallowing**

**1 Cr.**

This course covers the following topics:

- Physiopathology of tongue thrust, its multifactorial etiology, and its frequent association with malocclusions;
- Assessment and management of atypical swallowing in both adults and children;
- Fundamental treatment principles for atypical swallowing and orofacial myofunctional disorders;
- The significance of a multidisciplinary approach in treatment.

**Prerequisites:** Anatomy and Physiology of Speech (040APPSL1), Orthodontics and Facial Stomatology (040OTOML2)

**040BIOEL7 Bioethics**

**2 Cr.**

This course equips students with a structured method for ethical analysis, fostering an ethical framework for navigating therapeutic scenarios marked by potential value conflicts. Through this approach, students will explore key contemporary bioethical issues, and apply their ethical reasoning to real-world situations at the intersection of human life (beginning and end) and in the context of patient care. The course also addresses ethical questions specific to the practice of speech and language therapy and psychomotor therapy.

**040CAPSL3 Child and Adolescent Psychiatry**

**3 Cr.**

This course introduces students to psychopathological issues affecting children and adolescents. Each disorder is examined, including diagnostic criteria, risk factors, and treatment options. The course aims to help students recognize key symptoms of prevalent psychiatric disorders and understand when to seek professional assistance.

**Prerequisite:** Developmental and Social Psychology (040DVSPL1)

**040SEMIL1 Clinical Approach to SLT 1**

**2 Cr.**

This course is a pre-requisite for the year 2 practicums and other related courses: Articulation and Motor Speech Disorders, Developmental Communication and Language Disorders: Introduction, etc. It enables students to bridge the gap between their theoretical knowledge and practical observations in a training setting.

**040SEMIL2 Clinical Approach to SLT 2**

**2 Cr.**

This course helps students bridge theoretical knowledge with clinical observations. It aims to cultivate their expertise in knowledge, professional conduct, and practical abilities while fostering proficiency in oral and written communication, crucial skills in speech and language therapy.

**Prerequisite:** Clinical Approach to SLT 1 (040SEMIL1)

**040CLAPL3 Clinical Approach to SLT 3**

**2 Cr.**

This course enables students to bridge theoretical knowledge with practical observations during their training, fostering the development of clinical skills and expertise.

**Prerequisites:** Clinical Approach to SLT 1 (040SEMIL1) & 2 (040SEMIL2)

**040CAP4L4 Clinical Approach to SLT 4**

**2 Cr.**

This course enables students to bridge theoretical knowledge with practical observations during their training, fostering the development of clinical skills and expertise.

**Prerequisite:** Clinical Approach to SLT 3 (040CLAPL3)

**040CLNWL5 Clinical Approach to SLT 5** 3 Cr.

This course allows students to:

- Develop a clinical approach to evaluation and intervention;
- Apply pathology-related knowledge and scientific data to support clinical work;
- Develop an analytical approach to practical experience while learning principles of Evidence-Based Practice.

This course contributes to the development of the following competencies:

- Clinical approach: Conducting screening, evaluation, and care procedures in speech-language therapy;
- Collaboration: Working with educators, psychomotor therapists, and psychologists in internship settings to establish comprehensive intervention plans;
- Communication skills: Informing educators and other stakeholders about specific issues encountered and their impact on patients' lives to prevent and detect problems;
- Therapeutic relationship: Establishing and maintaining meaningful therapeutic relationships with patients;
- Research: Implementing protocols based on relevant theories to ensure rigorous rehabilitation;
- Professionalism: Adhering to ethical and deontological principles throughout therapeutic actions.

**Prerequisites:** Clinical Approach to SLT 3 (040CLAPL3) & 4 (040CAP4L4)

**040CASLL6 Clinical Approach to SLT 6** 2 Cr.

This course allows students to:

- Develop a clinical approach for evaluation and intervention;
- Apply pathology knowledge and scientific data to support their clinic work;
- Develop an analytical approach with Evidence-Based Practice principles while analyzing their practicum experiences.

**Prerequisites:** Clinical Approach to SLT 5 (040CLNWL5), Practicum and Internship 1 (040PRINL5)

**040CLAPL7 Clinical Approach to SLT 7** 2 Cr.

This course enables students to develop a clinical approach to evaluation and SLT intervention with children or adults presenting with various disorders (e.g., communication, language, voice). Students will learn to take into account the patient's context: family, school, and other members of the multidisciplinary team.

**Prerequisites:** Practicum and Internship 1 (040PRINL5) & 2 (040PRINL6)

**040APPRL8 Clinical Approach to SLT 8** 2 Cr.

This course enables students to develop a clinical approach to evaluation and SLT intervention with children or adults presenting with various disorders (e.g., communication, language, voice). Students will learn to take into account the patient's context: family, school, and other members of the multidisciplinary team.

**Prerequisites:** Practicum and Internship 1 (040PRINL5) & 2 (040PRINL6)

**040CIDML7 Clinical Intervention and Decision-Making in SLT** 2 Cr.

This course requires the completion of the prerequisite course “Assessment Principles in SLT” (semester 6). Building upon previous learning about assessment methodology and the selection of evaluation tools, this course focuses on applying Evidence-Based Practice in clinical decision-making. While the primary aim of assessment is to establish a diagnosis, its ultimate goal is to develop an effective intervention plan grounded in scientific evidence. Given the vast array of available resources, this can present a challenge for SLTs. Throughout the course, students will gain proficiency in selecting appropriate evaluation tools, defining objectives, and devising intervention strategies tailored to meet the unique needs of individual patients.

**Prerequisites:** Take CDSO internship in parallel, otherwise attend classes without registering nor passing the exam.

**040ASDCL5 Autism and Communication Disorders** 3 Cr.

This course focuses on understanding and supporting individuals with Autism Spectrum Disorder (ASD) and Social communication Disorder (SCD), which is a key aspect of clinical practice for SLT professionals. As ASD presents a wide range of needs, it is essential for SLTs to apply evidence-based methods when assessing and providing intervention. This course equips students with the skills to evaluate communication disorders including ASD and SCD within diverse cultural and linguistic contexts. Students will engage with clinical case studies, learning to

integrate theoretical knowledge with practical strategies to design tailored, evidence-informed intervention plans that address the unique challenges faced by individuals with ASD.

**Prerequisites:** Communication and Language: Introduction (040DCLDL3), Assessment of Communication and Language Disorders (040DCLDL3)

**040COLDL1      Communication and Oral Language Development**

**2 Cr.**

This course explores child communication and language development, emphasizing the critical role of social and communication skills in children's overall growth. It offers a scientifically grounded theoretical foundation for understanding communication, speech, and language acquisition, enabling students to grasp how children develop and enhance these skills during their formative years. By imparting this knowledge, students will gain insights into the development of children with atypical patterns, fostering a deeper understanding of diverse developmental pathways.

**040DEONL8      Deontology and Legislation**

**2 Cr.**

This general education course introduces legal issues and regulations relevant to the medical field. Topics covered include: history of law, contract law, tax law, labor law and other legal matters essential for SLTs in their daily practice.

**040DVSP1      Developmental and Social Psychology**

**3 Cr.**

This general education course includes theoretical sessions focusing on core developmental psychology topics. It also incorporates practical sessions to facilitate discussions on case studies and the application of theory in understanding psychology within multidisciplinary contexts, particularly in areas related to speech and language therapy.

**040MRUDL8      Medical Research Updates About Developmental Disorders**

**3 Cr.**

This course focuses on developmental disorders, which are common challenges faced by speech therapists in their daily practice. It emphasizes current knowledge on the assessment and management of these disorders, enabling students to understand them within the broader context of neurodevelopment. This understanding facilitates effective communication with colleagues and patients' families. Prioritizing recent research findings over comprehensive literature reviews, the course aims to equip students with practical insights.

**040SIDCL5      Developmental Language Disorders**

**3 Cr.**

This course provides an in-depth study of developmental language disorders affecting children's development, covering terminology, history, etiology, and prevalence. Students will gain proficiency in recognizing the characteristics and signs of Developmental Language Disorder (DLD) and learn diagnostic procedures. The course also highlights the importance of early intervention, various intervention techniques, and the speech therapist's role within the multidisciplinary team and in collaboration with parents.

**Prerequisites:** Communication and Language: Introduction (040DCLDL3), Assessment of Communication and Language Disorders (040CLDAL4)

**040DINPL7      Diagnostic Investigations in Psychology**

**2 Cr.**

This course includes theoretical and practical sessions on psychological assessments for children, adolescents, and adults. Students will explore various tests and scales through case studies, gaining familiarity with their application. The course aims to equip students with a broader perspective for addressing complex situations requiring multidisciplinary interventions.

**040DIPTL7      Diagnostic Investigations in Psychomotor Therapy**

**1 Cr.**

This course offers speech therapy students an overview of psychomotor disorders and the associated diagnostic tests. By the end of the course, students will be able to:

- Interpret psychomotor assessments effectively;
- Apply collected psychomotor assessment data in clinical practice.

**040ENSTL1 English for SLT 1 3 Cr.**

This comprehensive course aims to enhance students' grasp of the English language, equipping them to provide tailored linguistic interventions for patients in the future. Through various exercises and activities, students will improve their fluency and confidence in English communication while learning to adapt their language use to meet the needs of diverse patients.

**040ENSLL2 English for SLT 2 4 Cr.**

This comprehensive course further deepens students' understanding of the English language, empowering them to provide personalized linguistic interventions for patients.

**040SELAL7 English Level A 4 Cr.**

This course aims to enhance students' critical thinking, reading, oral, and writing skills. It focuses on synthesizing information from various sources to produce research papers and effectively present them. Emphasis is placed on analyzing different types of texts relevant to various disciplines, as well as on synthesizing diverse information to create written and oral presentations.

**040EFSIL7 Executive Functions in SLT Intervention 2 Cr.**

This course explores the key components of executive functions (EF) and their neurodevelopment, including dysexecutive syndrome. It also examines the implications of EF in various fields such as oral and written languages, as well as the assessment and rehabilitation of core cognitive components (inhibition, working memory, mental flexibility, and planning). Students will conduct comprehensive analyses of clinical cases. Learning objectives include:

- Conducting EF assessments in SLT.
- Developing intervention programs tailored to individual EF cases.
- Collaborating with stakeholders to establish appropriate interventions.
- Providing parental guidance to enhance patients' quality of life.

**Prerequisites:** Practicum and Internship 1 (040PRITL5) & 2 (040PRINL6) and take CDSO internship in parallel.

**040FASDL5 Feeding and Swallowing Disorders 3-Dysphagia 2 Cr.**

This course comprises two modules:

- The "Swallowing Disorders of Neurological and Neurodegenerative Origin" module: It explores swallowing and its associated disorders, covering their assessment, management, and the multidisciplinary approach to identification in adults;
- The "Upper Aerodigestive Tract Cancer-Related Dysphagia" module: It offers an overview of the evaluation and management of swallowing issues, guiding responsible decision-making for dysphagia service provision. Emphasizing a multidisciplinary approach, it prioritizes patient safety.

**Prerequisites:** Management of Feeding and Swallowing Disorders (040MFSDL3), Atypical Swallowing (040ASARL4)

**040FLUEL6 Fluency Disorders 4 Cr.**

This course allows students to:

- Gain scientific and clinical understanding of stuttering and cluttering;
- Familiarize themselves with assessment tools and procedures;
- Develop intervention plans tailored to individual needs;
- Recognize the significance of collaboration with the patient's environment for optimal therapy outcomes.

**Prerequisites:** Communication and Language: Introduction (040DCLDL3), Assessment of Communication and Language Disorders (040CLDAL4)

**040FUNEL2 Functional Neuroanatomy 2 Cr.**

This course offers a comprehensive understanding of the anatomy and function of both the central and peripheral nervous systems in humans, emphasizing their clinical significance.

<b>040GNTSL3</b>	<b>Genetic Syndromes</b>	<b>3 Cr.</b>
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This course allows students to:

- Learn about communication and language acquisition in individuals with genetic disorders and intellectual disabilities;
- Develop skills in conducting communication and language assessments for individuals with genetic disorders and intellectual disabilities;
- Gain valuable insights into collaboration between speech-language pathologists (SLPs) and various stakeholders involved in supporting individuals with genetic disorders and intellectual disabilities.

**Prerequisites:** Pediatrics and Genetics (040PEGEL2), Communication and Oral Language Development (040COLDL1)

<b>040INTNL8</b>	<b>Institutional Internship - SLT</b>	<b>5 Cr.</b>
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This course aims to develop a clinical approach to speech therapy evaluation and intervention for patients with diverse communication and language disorders, whether oral or written. It emphasizes considering patients' familial, educational, and multidisciplinary team contexts. By the end of this course, students will demonstrate competency in:

- Clinical approaches: Choosing, explaining, and mastering evaluation and intervention methods for communication/language disorders;
- Therapeutic relationship and professionalism: Recognizing the significance of therapeutic relationships and ethics, employing reasoned and critical thinking grounded in scientific literature;
- Collaboration and communication skills: Collaborating with various therapists through tailored interventions, exchanging information, and establishing coherent therapeutic goals to enhance patient communication and overall progress.

**Prerequisite:** Practicum and Internship 2 (040PRINL6)

<b>040IBREL4</b>	<b>Interactive Book Reading</b>	<b>2 Cr.</b>
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This course allows students to:

- Understand the Interactive Book Reading technique;
- Grasp the specific objectives associated with this technique;
- Familiarize themselves with the five competencies targeted during therapy;
- Develop the ability to identify individuals who can benefit from employing this technique.

<b>040CLDL4</b>	<b>Intervention for Communication and Language Disorders</b>	<b>3 Cr.</b>
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This course introduces students to interventions related to oral language and speech components (such as phonology, vocabulary, syntax). It familiarizes them with addressing difficulties in oral language, measuring effectiveness, and implementing generalization techniques. Prerequisites for this course include: Introduction to Communication and Oral Language Development, Clinical Approaches I and II, and Introduction to Communication and Language Disorders.

**Prerequisite:** Communication and Language: Introduction (040DCLDL3)

<b>040DCLDL3</b>	<b>Communication and Language Disorders: Introduction</b>	<b>4 Cr.</b>
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This course introduces Developmental Communication and Language Disorders (DLD). It covers the etiology, semiology, and classifications of DLD. Through this course, students will:

- Explore models of health and disability within society;
- Learn about key developmental disorders of speech, language, and communication;
- Understand the broader impacts of speech, language and communication difficulties;
- Recognize the importance of studying individuals with speech, language, and communication difficulties.

**Prerequisites:** Communication and Oral Language Development (040COLDL1), Practicum 2 (040PRACL2)

<b>040ITESL1</b>	<b>Introduction to Education Sciences</b>	<b>2 Cr.</b>
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This course serves as an introduction to education, focusing on fundamental concepts and principles in education and development. It aims to provide students with practical experiences related to theories of development and education, as well as their connection to various aspects of learning.

<b>065EC2SM2</b>	<b>Introduction to Health Policy and Systems</b>	<b>2 Cr.</b>
This course equips students with fundamental knowledge of health policies and systems. It covers essential concepts, principles, and scientific skills necessary for enhancing healthcare systems to promote population health. Students will learn to anticipate future needs, adapt to evolving models of community health, and address emerging societal demands in health policy development. While public health professionals typically focus on proposing technical solutions to population health issues, this course acknowledges the complexity of public policy development. It explores the influence of factors such as power dynamics, interests, politics, and human rights on program development, policy creation, and implementation. This course also provides a comprehensive introduction to healthcare system structures and objectives, and examines the role of power and processes in shaping health policies.		
<b>040LINSL2</b>	<b>Introduction to Linguistics</b>	<b>3 Cr.</b>
This course explores how language plays a crucial role in human activity, facilitating communication, abstract thought, creativity, and problem-solving. It introduces students to linguistics and its relevance to their future roles as speech and language therapists. It also covers core subfields of linguistics, including phonetics, phonology, morphology, syntax, semantics, narratives, and pragmatics, which are essential for understanding language structure and function. These subfields serve as a foundation for further exploration in areas such as sociolinguistics, psycholinguistics, language variation, and language change. By the end of this course, students will be able to effectively apply this knowledge in speech therapy practice and future research endeavors.		
<b>040ITLDL4</b>	<b>Introduction to Literacy Development</b>	<b>2 Cr.</b>
This course introduces instructional strategies that adhere to the latest research-supported practices in literacy education. Topics covered include scientifically based literacy research, early literacy development, and literacy assessment. Additionally, students will explore aspects of the Arabic language, such as diglossia, morphology, orthography, and vowelization, which impact the learning process of reading.		
<b>494OCCRL4</b>	<b>Occupations in Rehabilitation</b>	<b>1 Cr.</b>
This course aims to raise awareness of the common occupational challenges experienced by individuals with disabilities. Through reflection on various dimensions including the individual, their environment, and their occupations, students will understand the interactions and impacts on occupational performance. They will also gain insight into the role of occupational therapy and opportunities for collaboration within the healthcare team.		
<b>040ISLTL1</b>	<b>Introduction to Speech and Language Therapy</b>	<b>2 Cr.</b>
This course serves as an introduction to SLT, aiming to define the profession and outline its diverse areas of practice. It covers the scope of competence within SLT, delves into the profession's history in Lebanon and globally, and includes self-reflection on professional development.		
<b>040LCCPL4</b>	<b>Language and Communication Profiles in Individuals with Cerebral Palsy: Assessment and Intervention</b>	<b>3 Cr.</b>
This course expands students' understanding of the diverse language and communication profiles observed in children and adolescents with cerebral palsy (CP). It focuses on the development of communication across speech and language domains and explores the relationship between communication abilities and associated motor and cognitive challenges. <b>Prerequisites:</b> Functional Neuroanatomy (040FUNEL2), Pediatrics and Genetics (040PEGEL2)		
<b>040LAADL5</b>	<b>Language Assessment in Adults with Acquired Language Disorders</b>	<b>3 Cr.</b>
This course provides an overview of the evaluation and management of swallowing and feeding problems, also known as dysphagia. Speech and language therapists play a critical role in identifying and treating dysphagia, which can impact individuals of all ages and can result in serious health complications. Students will explore the impact of these disorders and discuss various assessment and intervention strategies that speech and language		

therapists can use to address these issues. This course also covers ethical and legal considerations that may arise when working with patients with dementia, and emphasize the importance of early detection and treatment. Students will gain a comprehensive overview of the key concepts and skills they need to effectively work with patients with swallowing disorders. This course directly addresses both assessment and therapies/ education methods used in SLT and family guidance.

**Prerequisites:** Functional Neuroanatomy (040FUNEL2), Communication and Language: Introduction (040DCLDL3)

<b>040LIALL6</b>	<b>Language Intervention in Adults with Acquired Language Disorders</b>	<b>2 Cr.</b>
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This course explains the link between brain function and language disturbances following brain injury, and serves as a prerequisite for the adult internship in the fourth year. The course introduces students to the role of speech and language therapists in adult neurology, both in acute hospital settings and in rehabilitation for long-term follow-up. By the end of this course, students will be able to apply their knowledge for evaluation, writing assessment reports using appropriate aphasia terminology, and establishing baseline measures if therapy is needed. They will also learn to adapt to the specificities and constraints of the Lebanese dialect and the issue of multilingualism in Lebanon.

**Prerequisite:** Language Assessment in Adults with Acquired Language Disorders (040LAALL5)

<b>040MFSDL3</b>	<b>Management of Feeding and Swallowing Disorders</b>	<b>3 Cr.</b>
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This course provides foundational training for speech therapists who wish to work with children or young people with feeding and swallowing difficulties related to disabilities.

**Prerequisite:** Anatomy and Physiology of Speech (040APPSL1)

<b>040DAMCL6</b>	<b>Math Cognition Developmental Disorders</b>	<b>2 Cr.</b>
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This course focuses on understanding the normal development of mathematical thinking in children. Throughout this course, students will learn relevant terminology and understand typical thought processes and mathematical concepts. They will grasp the fundamentals of a number system, the stages of number development in children, and the acquisition of counting and arithmetic operations. Additionally, students will comprehend the logical operations underlying these procedures and explore the characteristics of mathematical word problems, examining the correlation between language and mathematical acquisition. The course also introduces theoretical models such as the ADAPT model for transcoding and the Ménissier model for problem-solving.

Key competencies developed include:

- Recognizing the components of a number system;
- Comparing a child's number development and logical skills to typical development and linking each level to the necessary prerequisites;
- Analyzing transcoding errors;
- Analyzing counting strategies;
- Understanding concepts and analyzing the procedures of arithmetic operations;
- Analyzing word problems and adapting them to a child's level;
- Understanding the impact of language on the interpretation of mathematical language.

<b>040MSLTL3</b>	<b>Mediation in SLT 1</b>	<b>2 Cr.</b>
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This course aims to familiarize students with various mediation techniques in SLT to enhance their clinical approach. It encompasses a blend of theoretical insights and practical sessions facilitated by experienced SLTs.

<b>040MSLTL6</b>	<b>Mediation in SLT 2</b>	<b>2 Cr.</b>
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This course aims to:

- Enhance students' clinical approaches by employing various tools and interventions (such as books, play, music, and drawing) in accordance with the patient's age and pathology, while adhering to the intervention plan;
- Foster creativity through the utilization of diverse interventions in session preparation.
- This course contributes to the development of the following competencies:
- Clinical approach: Design and evaluate sessions incorporating diverse interventions (such as books, play, music,

and drawing);

- Communications skills: Justify and articulate intervention choices effectively;
- Therapeutic relationship: Establish and sustain a good relationship with the patient.

**Prerequisites:** Practicum 4 (040PRA4L4), Mediation in SLT I (040MSLTL3)

**040PANEL3      Neurological Disorders**

**3 Cr.**

This course provides students with a solid understanding of prevalent disorders of the nervous system encountered in clinical practice. It covers the causes, diagnoses, and intervention strategies for both adult and pediatric neurological disorders. Students will examine the brain mechanisms involved in speech and language function and how their disruption leads to clinical impairments. This knowledge enhances their ability to address the needs of individuals with speech and language impairments resulting from neurological conditions.

**Prerequisite:** Functional Neuroanatomy (040FUNEL2)

**040OPORL1      Ophthalmology**

**1 Cr.**

This course covers the anatomy, physiology, and common diseases impacting the eyes, emphasizing the collaborative role of SLTs and orthoptists, especially in supporting children with learning disabilities.

**040OTOML2      Orthodontics and Facial Stomatology**

**2 Cr.**

This course introduces students to dental medicine terminology and the classification of various types of malocclusions.

**040PEGEL2      Pediatrics and Genetics**

**2 Cr.**

This course offers a foundational understanding in the following areas:

- Typical child development and potential pathologies requiring screening and early intervention;
- Fundamental concepts in human genetics and various disorders;
- Key processes pertinent to SLT.

**040PHO1L2      Phonetics 1**

**3 Cr.**

This course focuses on understanding the human vocal mechanism and the production of sounds, known as articulatory phonetics. It introduces concepts in phonology and sociophonetics, enabling students to distinguish and produce various sounds using the International Phonetic Alphabet (IPA). Examples from multiple languages, including English and Arabic accents, are utilized. Additionally, the course explores the significance of phonetics in speech and language therapy, providing techniques for identifying phonetic and phonological patterns in speech disorders.

**040PHO2L2      Phonetics 2**

**2 Cr.**

This course deepens students' comprehension of articulatory phonetics while refining their listening and transcription abilities. It introduces acoustic phonetics, which examines sound wave properties. Through the theoretical exploration of speech production and perception, students will learn instrumental techniques for speech analysis, with a focus on spectrography, a widely used method. Lectures are complemented by laboratory sessions, offering a foundation in instrumental, acoustic, and advanced articulatory phonetics.

**Prerequisite:** Phonetics 1 (040PHO1L2)

**040POSIL1      Polyphonic Singing 1**

**2 Cr.**

This course aims to prepare the students to master their singing voice, a medium that will be useful for future speech and language therapy.

**040POSIL2      Polyphonic Singing 2**

**2 Cr.**

This course aims to prepare students to master their singing voice, a skill that will be useful in future speech and language therapy.

**040PIRSL5****Practical Introduction to Research 1****2 Cr.**

This course provides students with a comprehensive understanding of practical research, covering essential steps, ethical considerations, methodologies, and materials. Through active participation, students will engage in recruitment, data collection, and analysis, blending theoretical knowledge with hands-on experience to prepare for their final dissertation. The course aims to develop key research competencies, including:

- Demonstrating deep and systematic knowledge and applying theories and Evidence-Based Practices;
- Analyzing clinical practices within the framework of ethical principles, public health priorities, and evolving theoretical insights;
- Identifying, selecting, and utilizing scientifically sound data.

**040PIR2L6****Practical Introduction to Research 2****2 Cr.**

This course focuses on refining students' skills in data collection methods and result analysis. It introduces the use of Microsoft Excel for creating tables and charts, offering both theoretical insights and practical exercises to equip students for their final dissertation.

**Prerequisite:** Practical Introduction to Research 1 (040PIRSL5)

**040PRACL1****Practicum 1****1 Cr.**

This course takes place in a regular school setting, providing students with the opportunity to:

- Gain insight into school operations;
- Observe the development of typically developing children.

This course is mandatory and serves as a prerequisite for Practicums 3 and 4.

**040PRACL2****Practicum 2****1 Cr.**

This course includes three successive placements: the first takes place in a daycare center, where students discover how a daycare operates and observe various areas of child development; the second takes place with an ENT doctor; and the third in a private practice with a speech and language therapist. This course is mandatory and serves as a prerequisite for Practicums 3 and 4.

**Prerequisite:** Practicum 1 (040PRACL1)

**040PRANL3****Practicum 3****3 Cr.**

This course enables students to enhance their skills and clinical knowledge through practical experience. It serves as a prerequisite for Practicum 4 and requires the completion of Practicums 1 and 2.

**Prerequisites:** Practicum 2 (040PRACL2), Communication and Oral Language Development (040COLDL1)

**040PRA4L4****Practicum 4****3 Cr.**

This course enables students to bridge theoretical knowledge with practical training observations. It fosters the development of essential competencies, including:

- Clinical approach: Conduct screening and assessment in SLT within a clinical framework;
- Collaboration: Collaborate with different stakeholders to tailor interventions to individual contexts;
- Communication skills: Provide information to healthcare professionals, parents, and the patient's support network regarding specific disorders and their impact for prevention and screening;
- Therapeutic relationship: Establish and maintain valuable therapeutic connections with patients and their families;
- Research: Actively engage in clinical research to enhance linguistic knowledge and advance SLT in Lebanon;
- Professionalism: Adhere to ethical codes in the practice of SLT.

**Prerequisite:** Practicum 3 (040PRANL3)

<b>040PRINL5</b>	<b>Practicum and Internship 1</b>	<b>4 Cr.</b>
This course allows students to:		
<ul style="list-style-type: none"> <li>- Develop an evaluation and intervention clinical approach;</li> <li>- Utilize pathology-related knowledge and scientific data to support clinical work;</li> <li>- Refine analytical skills in practicum settings while becoming acquainted with Evidence-Based Practice principles.</li> </ul>		
<b>Prerequisites:</b> Intervention for Communication and Language Disorders (040CLDIL4), Practicum 4 (040PRA4L4)		
<b>040PRINL6</b>	<b>Practicum and Internship 2</b>	<b>4 Cr.</b>
This course allows students to:		
<ul style="list-style-type: none"> <li>- Develop an evaluation and intervention clinical approach;</li> <li>- Utilize pathology-related knowledge and scientific data to support clinical work;</li> <li>- Refine analytical skills in practicum settings while becoming acquainted with Evidence-Based Practice principles.</li> </ul>		
<b>Prerequisites:</b> Clinical Approach to SLT 5 (040CLNWL5), Practicum and Internship 1 (040PRITL5)		
<b>040PRP1L7</b>	<b>Preliminary Research Project 1</b>	<b>2 Cr.</b>
This course is designed to cultivate a research-oriented mindset in students, meeting dual objectives: academic rigor, ensuring compliance with research standards in speech and language therapy or medical sciences, and practical proficiency for professional research. By the end of this course, students will be equipped to actively participate in clinical research endeavors aimed at advancing linguistic knowledge and the speech and language therapy profession in Lebanon. This entails considering contextual nuances, employing quantitative reasoning, and fostering critical thinking skills.		
<b>Prerequisites:</b> Practicum and Internship 1 (040PRITL5) & 2 (040PRTIL6)		
<b>040PRLML8</b>	<b>Preliminary Research Project 2</b>	<b>3 Cr.</b>
This course is designed to cultivate a research-oriented mindset in students, meeting dual objectives: academic rigor, ensuring compliance with research standards in speech and language therapy or medical sciences, and practical proficiency for professional research. By the end of this course, students will be equipped to actively participate in clinical research endeavors aimed at advancing linguistic knowledge and the speech and language therapy profession in Lebanon. This entails considering contextual nuances, employing quantitative reasoning, and fostering critical thinking skills.		
<b>Prerequisites:</b> Practicum and Internship 1 (040PRITL5) & 2 (040PRTIL6)		
<b>040PRWCL5</b>	<b>Professional Report-Writing and Communication</b>	<b>2 Cr.</b>
This course enhances students' written language skills for report writing in speech and language pathology. It aims to strengthen their abilities in professional writing, critical thinking, and proofreading. Additionally, students will learn to adapt their writing style based on the intended audience of the report, which may include parents, school administrators, SLTs, other paramedical professionals, or medical professionals.		
<b>Prerequisite:</b> Practicum 4 (040PRA4L4)		
<b>040PDPTL1</b>	<b>Development and Introduction to Psychomotor Therapy</b>	<b>3 Cr.</b>
This course aims to equip future speech and language therapists with an understanding of psychomotor therapy, covering its definition, areas of intervention, clinical approach, and role within the paramedical team in relation to other therapists. Furthermore, it introduces students to the domains of psychomotor therapy intervention, enhancing their comprehension of its impact on children's learning outcomes. Lastly, the course enhances students' understanding of child psychomotor development, enabling them to better identify delays and factors influencing development.		
<b>040RMP1L2</b>	<b>Research Methods: Introduction to Research in Speech and Language Therapy</b>	<b>2 Cr.</b>
This course introduces research methods and explains how to formulate research questions. It helps students understand the principles of experimental design and the basic statistics commonly used in SLT clinical practice.		

<b>040RMPCL4</b>	<b>Research Methods: Scientific Reading and Critical Appraisal</b>	<b>2 Cr.</b>
This course introduces research methods explains how to formulate research questions, with a focus on understanding the outcomes of Evidence-Based Practice. Students will understand research designs, and conduct critical appraisals.		
<b>Prerequisite:</b> Research Methods: Introduction to Research in Speech and Language Therapy (040RMP1L2)		
<b>040RMPSL5</b>	<b>Research Methods: Introduction to Statistical Tests</b>	<b>2 Cr.</b>
This course provides students with practical experience in applying statistical tests in clinical practice and helps them demonstrate similarities or differences in specific aspects within a studied population. It also equips them with the necessary knowledge to design case studies and assess the validity of a treatment.		
<b>Prerequisite:</b> Research Methods: Introduction to Research in Speech and Language Therapy (040RMP1L2)		
<b>040RMPML6</b>	<b>Research Methods: Concepts and Methodology</b>	<b>2 Cr.</b>
This course introduces students to research methods and the process of formulating research questions. It guides them in developing research questions, crafting hypotheses, and planning methodologies within the field of SLT.		
<b>Prerequisite:</b> Research Methods: Scientific Reading and Critical Appraisal (040RMPCL4)		
<b>040PRACL8</b>	<b>Research Methods: Inferential Statistics</b>	<b>2 Cr.</b>
This course equips students with skills in designing, analyzing, and interpreting statistical data using IBM SPSS 25.0.0. Through practical exercises, students will learn to input data into the software and apply normality and parametric statistical tests, preparing them for the statistical aspects of their final-year projects.		
<b>Prerequisite:</b> Research Methods: Introduction to Statistical Tests (040RMPSL5)		
<b>040RMPRL7</b>	<b>Research Methods: Types and Quantitative Designs</b>	<b>2 Cr.</b>
This course introduces students to the fundamental principles of quantitative and qualitative research, as well as systematic review methodology, within the field of SLT. It explains how research in SLT differs from other professions, such as medicine or psychology, with an emphasis on prioritizing individual experiences in a healthcare context that values patient satisfaction and personalized care. Students will learn to use quantitative methods to evaluate intervention efficacy and qualitative methods to understand how interventions work, including their feasibility, acceptability, and transferability. The course also covers research methods specific to communication disorders and systematic review techniques.		
<b>Prerequisite:</b> Research Methods: Concepts and Methodology (040RMPML6)		
<b>040AICML7</b>	<b>SLT Assessment and Intervention in Math Cognition Developmental Disorders</b>	<b>2 Cr.</b>
This course builds on students' understanding of math cognition development, logical operations, and number systems to learn how to create evaluation plans, conduct assessments, and diagnose dyscalculia according to DSM-5 criteria. Students will explore how deficits at different developmental levels impact children's performance and acquire the knowledge needed to design rehabilitation plans for word problem challenges. By the end of the course, students will be proficient in:		
<ul style="list-style-type: none"> <li>- Conducting math-cognition assessments;</li> <li>- Establishing differential diagnoses;</li> <li>- Writing assessment reports;</li> <li>- Analyzing clinical findings within theoretical frameworks;</li> <li>- Identifying errors in word problems and devising appropriate remediation plans.</li> </ul>		
<b>Prerequisites:</b> Math Cognition Developmental Disorders (040DAMCL6), Development of Prelogical and Logical Reasoning		

<b>040AIHIL4</b>	<b>SLT Assessment in Individuals Who Are Deaf and Hard of Hearing</b>	<b>3 Cr.</b>
This course enables students to:		
<ul style="list-style-type: none"> <li>- Gain insight into audiology;</li> <li>- Develop a clinical approach to SLT assessments for deaf and hard of hearing individuals, including both children and adults.</li> </ul>		
<b>Prerequisites:</b> Anatomy, Physiology and Pathology of the Auditory System (040APPAL1), Communication and Oral Language development (040COLDL1)		
<b>040INTVL5</b>	<b>SLT Intervention in Children with Hearing Impairment</b>	<b>3 Cr.</b>
This course enables students to:		
<ul style="list-style-type: none"> <li>- Develop clinical skills in speech and language therapy intervention for both pediatric and adult populations who are deaf or hard of hearing.</li> <li>- Gain essential clinical insights for collaborating with families, various stakeholders, and healthcare professionals, particularly within cochlear implant centers.</li> <li>- Students will develop competencies in:</li> <li>- Conducting clinical screening, evaluation, and speech and language therapy interventions;</li> <li>- Collaborating effectively with diverse healthcare professionals to create comprehensive, individualized intervention plans.</li> <li>- Educating professionals, parents, and others about hearing loss, related challenges, and their impact on the patient's life to support prevention and early intervention;</li> <li>- Establishing and maintaining quality therapeutic relationships with patients and their families.</li> </ul>		
<b>Prerequisites:</b> Communication and Language: Introduction (040DCLDL3), SLT Assessment in Individuals Who Are Deaf and Hard of Hearing (040AIHIL4)		
<b>040SCPIL8</b>	<b>Specialized Communication and Public Information</b>	<b>1 Cr.</b>
This course enhances students' critical thinking regarding the use of social media in the field of SLT. It covers relevant policies and ethical considerations governing online behavior. Students will learn to discern appropriate and inappropriate social media posts and to create content aligning with professional standards.		
<b>040STCIL8</b>	<b>Speech and Language Therapy University Clinics</b>	<b>7 Cr.</b>
This course aims to cultivate a clinical approach in students for evaluating and intervening in speech and language therapy cases involving various communication/language disorders (oral or written). It emphasizes considering the patient's broader context, including family dynamics, educational environment, and collaboration within a multidisciplinary team.		
<b>Prerequisite:</b> Practicum and Internship 1 (040PRITL5) & 2 (040PRINL6)		
<b>065CLS2M1</b>	<b>Specific Terminologies: Advanced Arabic Language Course (CLAS)</b>	<b>2 Cr.</b>
This course is part of the Master in Psychomotor Therapy (Institute of Psychomotor Therapy) and is open to bachelor students at the Higher Institute of Speech and Language Therapy. It supports the development of the following program-level competencies in students:		
<ul style="list-style-type: none"> <li>- Continuing their professional development.</li> <li>- Working in a multidisciplinary team.</li> </ul>		
The course aims to enhance students' understanding of the specialized Arabic language and its technical terms used in rehabilitation (particularly in psychomotor therapy and speech and language therapy). Students will learn to use this language correctly and effectively in professional conversations and oral presentations, as well as to produce properly structured professional writing.		

**040TKUIL1****Toolkit for University Integration****2 Cr.**

This course provides an essential introduction for new students embarking on their higher education journey. It consists of two main parts:

- University integration: spanning two days before the start of the first semester, this part facilitates a seamless transition for new students at ISO by familiarizing them with USJ, the Innovation and Sports Campus, ISO (including its team, values, and operations). Students will also connect with peers and participate in activities aimed at personal development, ensuring a successful shift from school to university life;
- Methodological skills: conducted through six sessions during the initial weeks of the first semester, this part equips new students with essential tools to navigate the university learning process. It covers attentional and mnemonic skills, structuring academic tasks, as well as honing effective reading, research, and information validation techniques.

**040VOMNL5****Voice Management 1****2 Cr.**

This course aims to foster understanding of voice disorders and pathologies, focusing on honing assessment techniques, utilizing evidence-based treatment methods, and enhancing critical thinking in clinical assessment and intervention for individuals with voice disorders.

**Prerequisites:** Pathologies of the Voice (040PAVOL3), Phonetics 2 (040PHO2L2)

**040VOMAL6****Voice Management 2****2 Cr.**

This course aims to foster understanding of voice disorders and pathologies, focusing on honing assessment techniques, utilizing evidence-based treatment methods, and enhancing critical thinking in clinical assessment and intervention for individuals with voice disorders. Learning objectives include:

- Identifying various voice disorders;
- Understanding treatment options for different disorders;
- Developing tailored goals for effective voice therapy.

**Prerequisite:** Voice Management 1 (040VOMNL5)

**040PATHI3****Pathologies of Voice****1 Cr.**

This course addresses dysphonia, a common voice disorder treated by Speech and Language Pathologists (SLPs) in Lebanon. Its equips students to evaluate and intervene with dysphonic patients, while fostering collaboration with other professionals. The course develops competencies in:

- Reviewing and applying knowledge from the Anatomy, Physiology, and Pathology of Speech course;
- Acquiring essential knowledge for treating dysphonic patients;
- Analyzing the diagnosis and treatment of dysphonic patients;
- Encouraging self-development and information sharing through group work.

The course follows collaborative, team-based, and flipped classroom approaches. Each lecture is divided into four sections:

- Individual completion of multiple-choice questions;
- Group completion of multiple-choice questions;
- Review and discussion the multiple-choice questions;
- In-depth exploration through clinical case studies.

Additionally, each lecture is preceded by individual and/or group assignments based on books, articles, or videos.

**Prerequisite:** Anatomy and Physiology of Speech (040APPSL1)

**015ABC2L3****Volunteering and Civic Action****2 Cr.**

This course is part of the USJ General Education Program. It introduces students to the importance of civic engagement and provides opportunities to participate in a variety of volunteer activities. This course combines theoretical instruction and supervised practical training.

**040WLDIL5      Written Language Disorders 1: Symptomatology and Assessment      2 Cr.**

This course introduces students to the symptoms of written language disorders, covering reading, writing, comprehension, and related skills. It also provides an understanding of assessment tools for diagnosing such disorders, with consideration for the multilingual Lebanese context.

**Prerequisite:** Introduction to Literacy Development (040ITLDL4)

**040WLDIL6      Written Language Disorders 2: Intervention      3 Cr.**

This course introduces students to intervention principles in written language, including techniques and strategies. By the end of this course, students will be able to plan interventions, apply evidence-based methods, and collaborate with relevant stakeholders in patient care.

**Prerequisites:** Practicum 4 (040PRA4L4), Written Language Disorders 1: Symptomatology and Assessment (040WLDIL5)

**064VALEL1      USJ Values in Daily Life      2 Cr.**

This course aims to raise students' awareness of the fundamental values of the Saint Joseph University of Beirut (USJ) so that they can integrate them into their personal, interpersonal, and professional lives. It engages them in critical reflection on how the values outlined in the USJ Charter can influence their behaviors, actions, and decisions in addressing the challenges of the contemporary world. Additionally, students will become aware of global issues and ethical responsibilities, preparing them to positively contribute to the building of a better society.

**065ACCVL2      Body and Language Communication Workshop      2 Cr.**

This workshop on bodily and verbal communication is designed for psychomotority students to develop their posture, voice, and facial expressions. It prepares them to understand and effectively use non-verbal communication in professional practice.

**040DPLRL6      Development of Prelogical and Logical Reasoning      1 Cr.**

This course introduces students to the normal development of logical thinking from infancy through childhood and its relation to language. Students will acquire the related terminology and develop knowledge of typical development of thought. They will explore different definitions of intelligence and reasoning, the developmental benchmarks of the reasoning in symbolic play, and concepts such as heuristics, algorithm and inhibition in cognitive development. They will also learn the models of cognitive development. The course also covers models of cognitive development, laws of logic, types of logical statements and inferences, and common fallacies in reasoning.

**Prerequisite:** Math Cognition Developmental Disorders (040DAMCL6)

**015LIPPL5      Leadership, Innovation and Professionalism      2 Cr.**

This course is part of the USJ General Education Program. It introduces social work students to demonstrating leadership and innovation when facing complex situations. It also encourages them to work in multidisciplinary teams while adopting professional conduct that respects human values and institutional culture. It enables students to:

- Demonstrate leadership and innovation.
- Manage their skills according to their chosen career path and evolving professional requirements.
- Collaborate with other professionals while respecting institutional culture and the values of social work.

**040NNDSL8      Neurocognitive and Neurodegenerative Disorders      2 Cr.**

This course introduces students to different type of dementia and Mild Cognitive Impairment (MCI), as well as the cognitive communication changes for people living with dementia or MCI. It covers the basics of dementia and neurodegenerative disorders, including the most common types and their symptoms. Students will explore the impact of these disorders on communication, swallowing, and social interactions, and discuss various assessment and intervention strategies that speech and language therapists can use to address these issues. This course also addresses ethical and legal considerations that may arise when working with patients with dementia, and emphasize the importance of early detection and treatment. Additionally, it provides an overview of family

guidance, covering therapies and educational methods relevant to SLT. Overall, the course equips students with the key concepts and skills needed to work effectively with patients with dementia and neurodegenerative disorders.

**Prerequisites:** Neurological Disorders (040PANEL3), Language Assessment in Adults with Acquired Language Disorders (040LIALL6)

<b>016PEARL1</b>	<b>Pedagogy Through Art</b>	<b>3 Cr.</b>
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This integrated workshop combines different artistic disciplines from an educational perspective. It serves as a space for meaningful interaction between the world of education and that of creation. It promotes a critical, effective, creative, reflective, and in-depth approach to practice. The workshop fosters educational innovation and artistic engagement.

<b>494ATDPL3</b>	<b>Personal Development Workshop</b>	<b>2 Cr.</b>
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By using different theater tools, this course allows students to:

- Develop their personal potential through self-discovery;
- Acquire strategies to optimize their abilities for resolving challenges or achieving objectives;
- Learn techniques that allow them to fully leverage their resources.

<b>065MSRXL3</b>	<b>Relaxation Techniques I</b>	<b>2 Cr.</b>
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This course introduces students to various relaxation techniques and provides opportunities to practice them. Students will also focus on two specific relaxation techniques, deepening their understanding and applying them in practice .