

HOSA Training Orientation

Level 1 HOSA Training
for Professionals working
anywhere within the Human
Development Industry. From
Clinical Doctors & Therapists to
Coaches & Consultants.

HOSA Level 1 can be done over 2 months or 2 Saturdays.

Choose from an 8-week spaced-out programme or a
condensed, accelerated weekend programme.

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“

HOSA will forever change how you see yourself, your loved ones and those you work with.

”

What is HOSA?

HOSA (Human Operating System Architecture) is a way of seeing the human system.

It is an integrated operating architecture that makes human biology visible, understandable and actionable.

Rather than offering another model, method or modality, HOSA provides a comprehensive map of how the human operating system works. It connects ideas that have traditionally been studied in isolation and reveals how they function together as one integrated whole.

Where most approaches examine individual parts, HOSA reveals the architecture beneath them. It makes biophysics legible, biological energy understandable and the human condition operational.

Through a single integrated lens, HOSA explains how biological capacity is generated, how finite energy is allocated, and how those upstream processes become visible in our thoughts, emotions, behaviours, health, relationships and performance.

Rather than asking, "What's wrong?", HOSA asks, "How has this human operating system organised itself to produce this outcome?"

That shift changes everything.

What once appeared random becomes organised.

What once felt disconnected becomes connected.

What once seemed complicated becomes understandable.

Patterns become visible.

Leverage becomes clear.

Change becomes more predictable.

HOSA brings together biology, physics, neuroscience, physiology, psychology, mechanics, complex systems and human behaviour into one coherent operating architecture.

It makes the implicit explicit, providing practitioners, leaders and individuals with a common language for understanding the human system and a practical map for navigating it.

The HOSA lens will forever change how you see yourself, the people you love, and the people you serve.

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1 Welcome & Orientation

1.1 Welcome Message



Welcome to HOSA Level 1

You are entering a process that will fundamentally change how you see human behaviour. This Guide is designed to orient you and assist you in getting the most from the experience.

HOSA stands for Human Operating System Architecture.

It is a systems-based model for understanding how human beings function under constraint, and how real change becomes possible.

Most people believe change comes from insight, effort, discipline and motivation. HOSA shows that 'change that holds' is biologically constrained.

During this programme you will become very familiar with the HOSA Equation:

Recovery Capacity = Total Energy (TE) – (Biological Load (BL) + Threat Load (TL))

You will see that constraints in our energy flow do not simply reduce performance - they reorganise perception, behaviour, and possibility at the level of the system itself.

As we proceed through the course, please feel free to reach out with comments or questions either through our e-learning Platform or on my email support@hosainstitute.com

Your success in this Programme is important to all at the Institute.

Best wishes,

A handwritten signature in white ink that reads "Shannon Eastman". The script is fluid and cursive.

HOSA Institute Founder

Human Operating System **Architecture** for **Change That Holds**

Parts are parts when they are not connected to anything. In a complex human system, every part influences, and is influenced by, many parts.

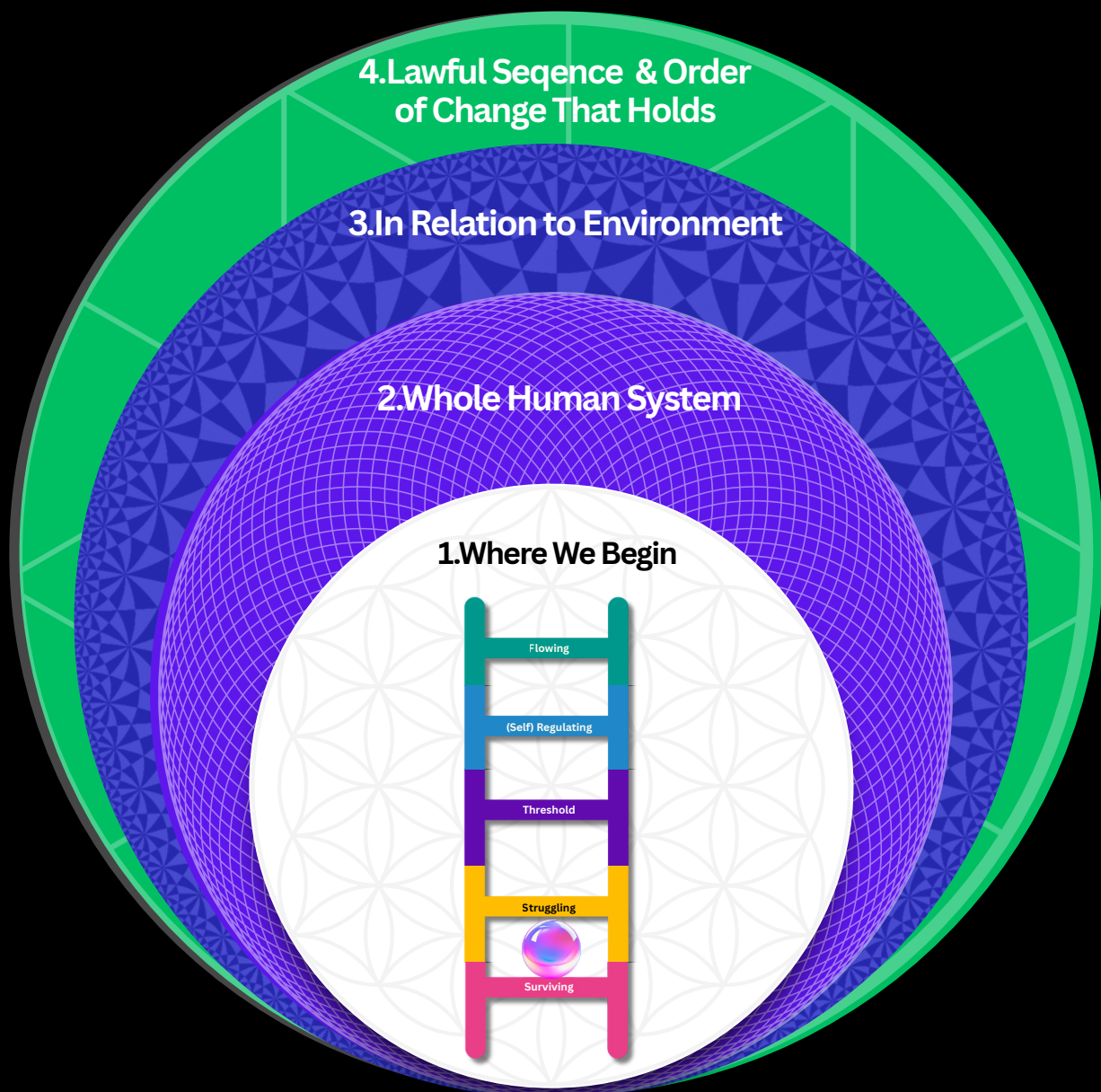
HOSA provides a map of how the whole human system, in relation to its environment, can reliably create change that holds, with at least 50% less effort, and at least 50% less time.

HOSA is not a modality. It is a map. An interface that reorients and sequences more than 1100+ modalities.

Gain mastery of HOSA's governing equation to resolve the best way forward for the person sitting in front of you.

HOSA's Governing Equation:

Recovery Capacity = Total Energy - (Threat Load + Biological Load)TM





A Whole Human System Approach,
in relation to environment, working
with the lawful sequence of change,
will increase the effectiveness of
your work **by at least 50%.**



Welcome & Orientation

1.2 Purpose of This Guide

This guide is designed to:

- Orient you to how the programme works
- Clarify what is expected of you
- Help you engage with the material effectively
- Support you in applying HOSA in real time

It should be used as a reference throughout the programme.

1.3 What this Programme is (and what it is not)

This programme is:

- A systems-based model for understanding human behaviour
- A framework for observing and reorganising constraint
- A method for creating change that holds

This programme is not:

- A mindset or motivation programme
- A collection of techniques or tools
- A behaviour-change or performance optimisation course

If you approach it as any of the above, you will misread it.

1.4 The Required Shift

Before you begin, one shift is required:

From: What is wrong with this person? (symptom)

To: What is this system organising around? (architecture)

If this shift is not made, behaviour will be misinterpreted and change will not hold.

Everything in this programme builds from this lens. This may appear simple. It is not. It is a fundamental reorganisation in how you see, think, and interpret human behaviour. It only becomes natural through repeated application.

2 Core Principles

2.1 What is HOSA

HOSA — Human Operating System Architecture — is a systems-based model for understanding how human beings function under constraint, and how change that holds becomes reliably available. Most approaches to change focus on what is visible: thoughts, emotions, behaviour, habits, and performance.

HOSA operates at the level of the system that produces all of these.

It provides a way to observe:

1. how energy is produced
2. how load accumulates
3. how capacity is constrained
4. how behaviour emerges as a result

The Human Operating System is not abstract. It is biological.

It is composed of 12 interdependent systems organised across three levels of influence:

Level 1 — Mitochondria, Epigenetic Interface and Chronobiology

Level 2 — Central Nervous System, Autonomic Nervous System, Fascia

Level 3 — Cardiovascular, Respiratory, Endocrine, Waste Elimination, Digestion, Musculoskeletal

These systems continuously interact to determine how much energy is available, how it is allocated, and what becomes possible in real-world conditions.

Over time, this organisation stabilises the entire biology into an Anchor, a centre of gravity on the HOSA Ladder.

The Anchor sets the:

- ceiling of your life
- holds your unique conditions for growth
- shapes your experience of reality

Behaviour is not random.

It is the visible expression of a biological system organised around a particular level of capacity. HOSA allows you to read that system and reorganise it at source.

2.2 Biology is Causal. Psychology is Consequence

At the heart of HOSA is a single organising principle: Behaviour reflects biology before it reflects choice.

Human behaviour is not random. It is not primarily psychological. It is not primarily motivational.

It is the visible expression of:

-
- Available energy
- Accumulated load
- System constraints
- Recovery capacity

What appears to be lack of discipline, poor decisions or inconsistent behaviour is often the result of insufficient capacity within the system. When capacity is constrained, behaviour reorganises accordingly. This is why insight alone does not create change, and why effort often fails to produce lasting results.

2.3 The HOSA Equation™

The HOSA Equation defines how capacity is determined within the Human Operating System:

$$\text{Recovery Capacity} = \text{Total Energy} - (\text{Biological Load} + \text{Threat Load})$$

Total Energy (TE): The amount of usable energy available to the system.

Biological Load (BL): The cost of running the system.

Threat Load (TL): The cost of unresolved activation.

Recovery Capacity (RC): What remains to restore the Anchor to the Home Zone after a stressor.

Recovery Capacity determines:

- what the system can handle
- how it responds under pressure
- whether change is possible

When load increases, capacity decreases.

When capacity decreases, behaviour reorganises.

The equation is not theoretical. It is observable.

It explains:

- why performance fluctuates
- why change fails
- where intervention is required

HOSA is not concerned with what happens during the stressor.

It is concerned with what happens after.

Recovery patterns reveal the current state of the Whole Human System.



2.4 Change that Holds is Subordinate to Laws

Lasting change occurs only when 3 conditions are met:

1. Process

Change follows a biological sequence: Stabilise - Unravel - Reorganise - Integrate

If the system is not stabilised first, attempts to change will increase instability.

If unravelling does not occur, underlying patterns remain intact.

If reorganisation is incomplete, the system returns to prior patterns.

Integration stabilises the new state.

2. Capacity

Change requires available energy. The system must have sufficient Recovery Capacity to support reorganisation without collapsing back into survival patterns.

If capacity is too low:

- The system prioritises stability over change
- New behaviours cannot be sustained
- Progress appears temporary

Change is not blocked by lack of desire. It is constrained by lack of available energy.

3. Sequence

Change follows a lawful order on the Ladder of States. The system cannot skip levels. Each state must stabilise before the next becomes available.

Attempting to force progression:

- Creates instability
- Increases load
- Results in regression

Change that holds is sequential.

2.5 The HOSA Ladder™

The HOSA Ladder maps the stable positions a Human Operating System can organise around.

Each state reflects:

- » A level of available capacity
- » A degree of stability
- » A pattern of energy allocation

At any given time, the system stabilises around an anchor - its centre of gravity. This anchor determines what feels safe, what feels possible and what behaviours are available.

Daily experience fluctuates through transient state expressions, but always within the range defined by the anchor. As capacity increases and load decreases, the anchor can reorganise to the next state. This movement is not psychological. It is biological.

The Ladder provides a way to:

- » Locate the system accurately
- » Understand what is currently possible
- » Determine the correct sequence for change

“

If the problem or plateau
is persistent, it is systemic.

”

3 Programme Structure

3.1 Programme Overview

The HOSA Level 1 Programme is delivered either over 8 consecutive weeks or two consecutive Saturdays.

The 8-week programme is the recommended pathway for first-time participants. It provides time between sessions for reflection, observation and the gradual reorganisation of how you see the human system.

The weekend intensive delivers the same curriculum in a condensed format. While ideal for those repeating Level 1, it can be an immersive and cognitively demanding introduction for first-time participants.

Repeating Level 1 is both common and encouraged.

HOSA is not simply learned—it is a new way of seeing.

As participants begin to view themselves, others and the wider human experience through a different lens, earlier assumptions are naturally questioned and reorganised. Many return to Level 1 because they discover things they simply could not have seen the first time.

Each lesson builds upon the last. Early concepts become the foundation through which later concepts are understood, allowing the architecture of the Human Operating System to gradually come into focus.

By the end of the programme, you will be able to:

- Read the Human Operating System in real time.
- Identify biological constraints with greater accuracy.
- Distinguish between Biological Load and Threat Load.
- Work with Organising Constraints
- Recognise where meaningful and lasting change becomes possible.

This is not a passive learning experience. It is designed to permanently change how you observe, understand and work with the human condition in ways that transform a person's entire experience of life.

Most education gives you more information. HOSA gives you a new lens through which information becomes organised.

3.2 Learning Components

The programme combines multiple learning formats to support understanding, integration, and application.

Emails Through Skool

Automated reminder emails will be generated and issued to flag upcoming classes. These will reference, date, time, and direct you to the Skool Calendar to locate the correct Zoom link.

Live Classes

These sessions introduce the core concepts, models, and distinctions of HOSA. They are interactive and include Q&A and applied examples.

Videos, Presentations & Notes

Each lesson is supported by videos, structured slides and written notes. These provide a clear reference for the material and are designed to support review and consolidation between sessions. All are made available on the E-Learning Platform.

Exercises & Application

We introduce exercises designed to move learning from concept to application. These may involve:

- Observing your own system
- Applying the model to real-life scenarios
- Practising system reading
- Similar

Engagement is important. Without it, the model will remain theoretical.

Open Discussion

The programme includes ongoing discussion through the learning platform. Engagement supports integration. What is unclear in isolation often becomes clear through discussion. This is a space to:

- Ask questions
- Share observations
- Clarify understanding
- Learn from others in the cohort

3.3 Time Commitments & Expectations

To gain the full value from the programme, you should expect to attend all classes live.

Each segment is a live 90-minute session

- » Each segment builds on the previous session
- »

This is a guideline. Some participants will choose to engage more deeply. What matters is consistency.

This programme requires attention, engagement and willingness to apply the model.

It is not designed to be consumed passively.

3.4 Time Zones & Live Lesson Options

8 Consecutive Weeks

To accommodate different time zones, each live lesson is delivered three times per week on a Tuesday.

- » 07:00 (Irish Time)
- » 13:00
- » 17:00

You may attend whichever session is most suitable. And, again, you are welcome to attend all 3. If you are unable to attend live, recordings will be available on the learning platform.

You will receive automated reminder email notifications of the Live Lessons. The schedule of Lessons is also available from the E-Learning Platform.

2 Consecutive Saturdays

You can expect these to be up to 8hr days. They will begin at 8 am Irish Time and are expected to wrap up around 6 pm

- » 8:00 - 12:30pm Irish Time
- » 12:30 - 1:30 pm lunch
- » 1:30 - 6:00 pm

These 2 days are action-packed. Comfort breaks mid-morning and mid-afternoon will be provided. Being able to toggle between a standing desk and seated position will be helpful.

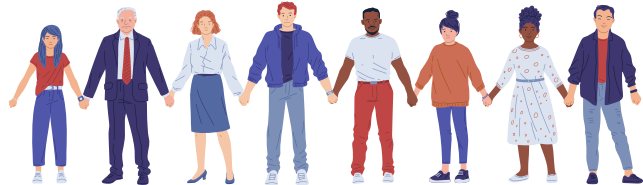
You will receive automated reminder email notifications for the 2 days. The schedule of Lessons is also available from the E-Learning Platform.

3.5 Using the Skool E-Learning Platform

We have chosen to use Skool as our E-Learning Platform for engagement and ease of use. Like anything, it will take a little practise to get used to it. The following overview provides the basics for orientation:

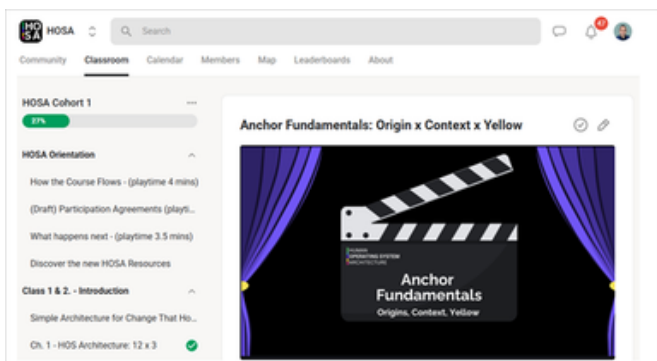
1. Community

The community provides opportunity for online engagement, exercise and general discussion. Posting and replying to chats is done similarly to social media sites.



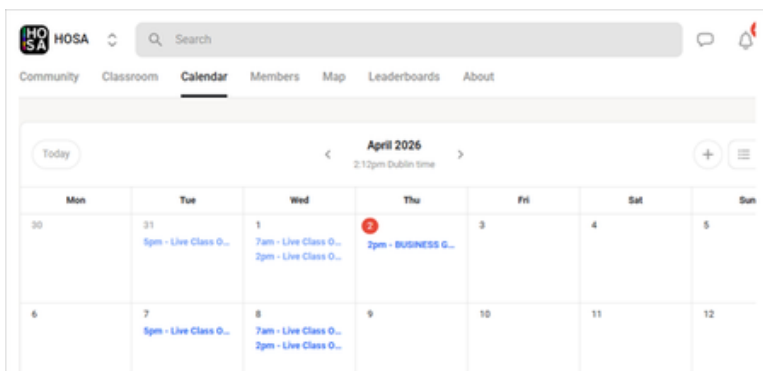
2. Classroom

The Videos, Presentations and Notes related to the Live Classes will be posted here after each Lesson.



3. Calendar

While you will be forwarded lesson invitations by email, the Calendar section of Skool also provides the timetable and access to the lessons. Lessons are held on Zoom.



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Internal environment, external environment, and change that holds are all governed by the same laws of physics.

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4 Curriculum Overview

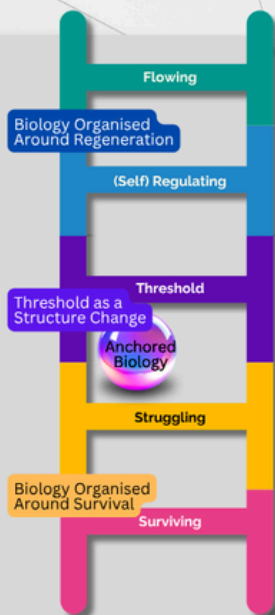


1. Where Am I?

HOSA Ladder™ x Anchor™

You are an organised whole human operating system that exists in relation to the environment.

Suffering and flourishing are emergent properties of your current biological organisation.



2. Why Am I Here?

Internal Economics

The HOSA Equation™ governs the HOS State. The State right now. It reveals the highest value lever to engage first to restore Recovery Capacity.

$$RC = TE - BL + TL$$

RC Recovery Capacity
How easy are you triggered? How long do you stay triggered? Do you restore ease ever?

TE Total Energy
You produce finite energy. Can you generate 100%? Where does your energy go?

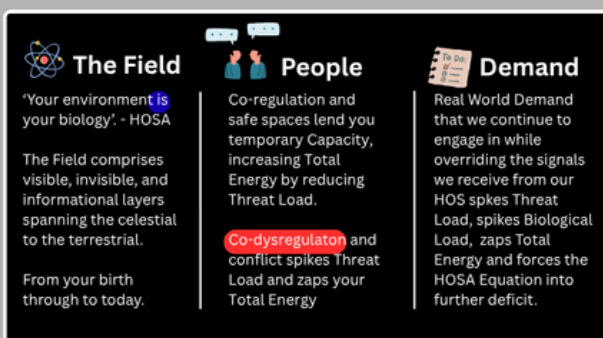
BL Biological Load
Energy used to maintain day-to-day life: wake up, work, catch the bus, digestion etc.

TL Threat Load
First priority for Energy Allocation goes here first. Protection to ensure survival.

Patterns are observations. Constraints are explanations.

3. What Is Influencing Me?

HOSA Environment™ This describes what is pushing on the internal economics.



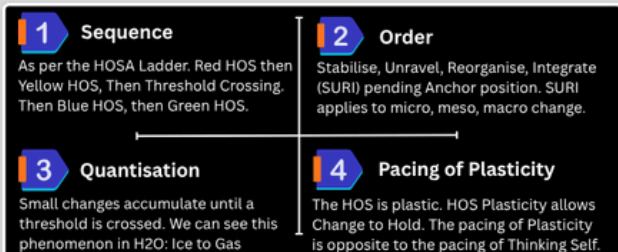
HOSA Environment explains forces acting upon the State of the HOS causing the HOS to either compensate or adapt.

4. How Does Change Hold?

Relief. Repair. Recovery.

Understanding creates Relief. Repair changes the variables: TE, BL, TL and when that happens, Recovery Capacity emerges across and throughout the HOS.

Change That Holds is Subordinate to Laws.





4.1 How the Curriculum is Structured

The curriculum is structured to move you from understanding to application.

It follows a clear progression:

- First, you learn how the Human Operating System is organised
- Then, you learn how to observe it in real time
- Next, you understand how capacity, load, and constraint shape behaviour
- Finally, you apply the model to real-world scenarios

Each part builds on the previous one. The sequence is intentional and should be followed as delivered.

This is not a collection of concepts. It is a coherent system. Understanding emerges through progression, not isolated learning.

Section 1: Foundations of the Human Operating System

This section establishes the core principles of HOSA.

You will learn:

- What the Human Operating System is
- Why behaviour reflects biology
- Why most approaches to change fail
- What conditions are required for change that holds
- How the Ladder of States defines capacity and stability

This part provides the lens through which all subsequent material is understood.

Section 2: Reading the System

This section focuses on observation.

You will learn how to:

- Distinguish between transient state expressions and stable patterns
- Understand how the system responds to internal and external demand
- Identify the relationship between capacity and real-world functioning
- Recognise how the system organises itself moment to moment

The emphasis is on accurate system reading. This is the shift from theory to perception.

Section 3: Capacity, Load and Constraints

This section introduces the core mechanics of the system.

You will learn:

- How Total Energy, Biological Load, and Threat Load interact
- How the HOSA Equation defines Recovery Capacity
- The finite set of constraints that shape system behaviour
- How constraints limit production, availability, and allocation of energy

This is where the model becomes diagnostic. You will begin to see clearly why behaviour occurs and where intervention is required.

Section 4: Integration and Application

This section brings the model into practice.

You will learn how to:

- Apply the Observation → Constraint → Intervention process
- Analyse real-world case studies
- Distinguish between different types of constraint
- Determine appropriate intervention order

The focus is on applying HOSA in a way that produces change that holds. This is where understanding becomes capability.

4.2 Lesson Breakdown

Phase 1: Orientation

You will learn to see the system.

- The HOSA Model
- Internal and External Economics
- The HOSA Equation
- Ladder and Anchor

This phase establishes the lens through which all behaviour is understood.

It reframes:

- symptoms as system output
- behaviour as biological expression
- performance as a function of capacity

Phase 2: Internal Economics

You will learn how the system is resourced and constrained.

- The Human Operating System (12 Systems, 3 Levels)
- Total Energy (Production)
- Biological Load (Cost of Running the System)
- Threat Load (Cost of Unresolved Activation)

This phase focuses on how energy is produced, how load accumulates, and how capacity is shaped.

You will begin to recognise:

- where energy is being lost
- where load is being carried
- where capacity is constrained



4.2 Lesson Breakdown Continued

Phase 3: Recovery & System Behaviour

You will learn how the system behaves under pressure.

- Recovery Capacity
- The Canvas of Flexibility
- State expression and recovery patterns
- Anchor stabilisation

This phase focuses on observation.

You will learn to read:

- how quickly the system reacts
- how intensely it responds
- how long it remains activated
- how reliably it returns

The emphasis is not on what happens during stress, but what happens after.

Recovery patterns reveal the system.

Phase 4: External Economics

You will learn how the system interacts with reality.

- Environment (visible, invisible, informational)
- Other People (co-regulation and dysregulation)
- Real-World Demand (volume, complexity, pressure)

This phase introduces the external conditions the system must meet.

The same environment produces different outcomes depending on the system's available capacity.

4.2 Lesson Breakdown Continued

Phase 5: Lawful Change That Holds

You will learn how change becomes possible.

- Process: Stabilise → Unravel → Reorganise → Integrate
- Capacity: sufficient Recovery Capacity must be available
- Sequence: the system must move in order

This phase defines the conditions required for change to occur and hold.

Without these conditions:

- change destabilises
- patterns persist
- regression occurs

Phase 6: Application

You will apply the model to real-world situations.

- Case analysis
- System reading
- Constraint identification
- Intervention design

This phase develops the ability to work with the system in practice.

Summary

The programme is cumulative.

Each phase depends on the last.

Understanding alone is not sufficient.

The goal is to develop the ability to see, interpret, and work with the Human Operating System directly.

5 Certification

5.1 Certification of Achievement Requirements

The HOSA Practitioner Certificate of Achievement is awarded based on participation, engagement, and demonstrated understanding of the model.

To qualify, participants must:

- Attend live classes 30
- Engage with the learning materials (videos, notes, exercises)
- Participate in discussion and application throughout the programme

Attendance alone is not sufficient. Certification reflects applied understanding.



5.2 What This Certification Is (and Is Not)

This certification is:

- A recognition of applied understanding of HOSA
- A signal that you can read and work with system-level dynamics
- A foundation for application and development

This certification is not:

- A clinical qualification
- A therapy licence
- A guarantee of practitioner competence without continued application

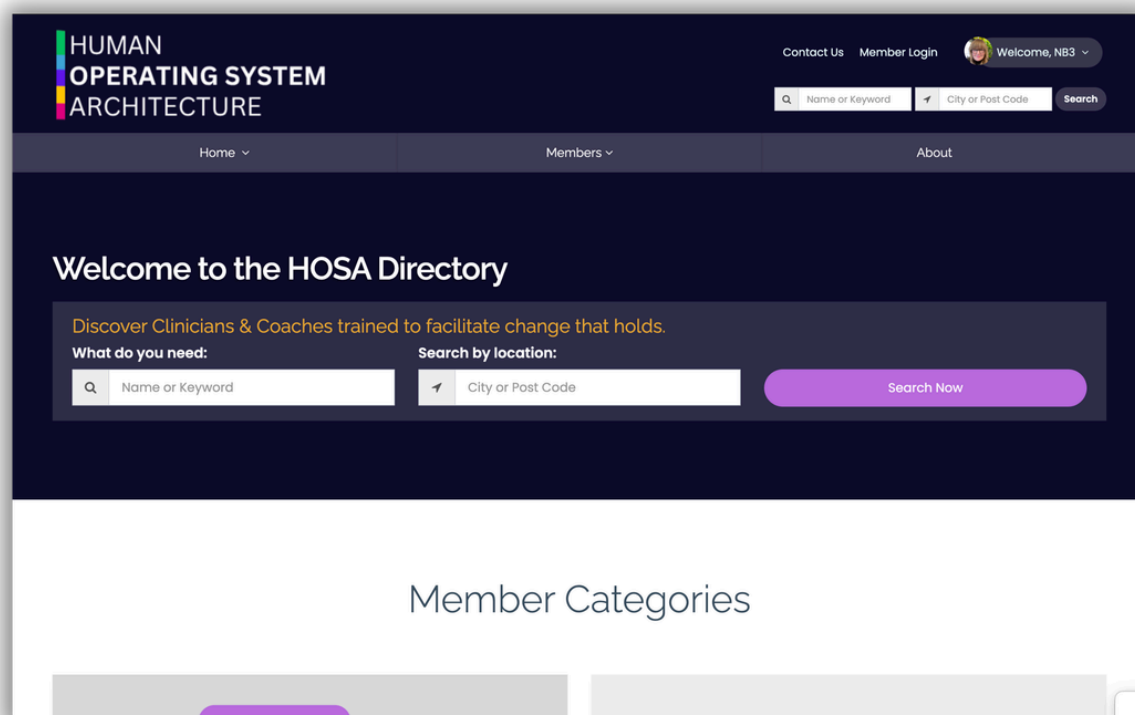
HOSA is learned through use. This marks the beginning of that process, not the end.



6 Listed & Licensed

6.1 Listed in the HOSA Institute Directory

Upon successful completion of Level 1 HOSA Training, you will be invited to join the HOSA Institute Directory promoting yourself as HOSA Informed. A resource we consistently refer people to. A guide will be provided to support you in setting up your profile.



6.2 Licensed to use HOSA in 1:1 Environments

HOSA is available for use under a range of Licenses. This training provides you with a 1:1 license renewed annually. View our Professional Use 1:1 Licensing Agreement [here](#). Your first year licensing fees are included with your training fee. Annual renewal fees are expected to be €300 and include ongoing refresher training and updated models.

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HOSA Faculty

The HOSA Practitioner Programme is led by Shannon Eastman, founder of the Human Operating System Architecture (HOSA) Institute and Co-Architect of the HOSA Model.

Shannon brings together two decades of experience across corporate, business, and human development environments, underpinned by deep study in trauma physiology, psychology, and behavioural systems.

She specialises in helping practitioners and leaders understand how capacity, load, and system constraints shape behaviour, enabling more precise intervention and change that holds.

Dr. Joshua Rosenthal is a physician, counsellor, and Co-Architect of the Human Operating System Architecture (HOSA), focused on restoring biological and energetic integrity. His work integrates clinical insight with systems thinking to understand how energy, load, and capacity shape health and performance.

He also developed the MitoCircadian™ Health model, combining mitochondrial medicine, circadian biology, quantum photonics, and nervous system coherence to explore how light, timing, and cellular energy influence resilience and recovery.

Dr. Abrar Hussain is a Consultant Psychiatrist and Co-Architect of the Human Operating System Architecture (HOSA), working across clinical psychiatry and systems-based approaches to human health.

A Fellow of the Royal College of Psychiatrists, he leads a specialist NHS service for Functional Neurological Disorders and has received multiple Clinical Excellence Awards for leadership and patient care. His work focuses on how biological load and nervous system dynamics shape clinical presentation and recovery.



Shannon Eastman



Dr. Joshua Rosenthal



Dr. Abrar Hussain

Copyright & Licensing

Professional Licence

Your HOSA Level 1 enrolment includes your first year's Professional Practice Licence (value €300).

This licence permits the application of HOSA in 1:1 professional practice, subject to the HOSA Licensing Agreement and Attribution Standards.

Restricted Use

Without the appropriate HOSA licence, you may not:

- Teach or train others in HOSA.
- Deliver workshops, programmes or retreats.
- Use HOSA within organisations or corporate training.
- Reproduce, adapt or distribute HOSA materials.
- Create books, courses, podcasts or other content based on HOSA.

These restrictions apply to both commercial and non-commercial use.

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Licensing protects the integrity, consistency and responsible application of the Human Operating System Architecture.

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