

# HAMILTON PROGRAMMING TRAINING COURSES

# 3 DAYS

## TO SHIFT YOUR MINDSET FOR AUTOMATION SUCCESS

Don't let manual workload hold you back!  
Incorporate Hamilton's advanced technology to  
revolutionise your workflow and  
improve overall efficiency.

Course covers:  
Theory  
Scripting exercises  
Hands-on at the Robot

### **Gain an understanding of your liquid handling robot**

- Introduction to Venus Software Method Editor
- Theory covering the Fundamentals of Hamilton liquid handling technology, and an introduction to labware and consumables
- System Configuration
- Daily and weekly maintenance

# 1

### **Take your liquid handling method to another level using**

- Variables, Loops and Arrays to make your programming flexible
- Labware Editor to create your own custom labware
- Submethods
- Basic Libraries
- Introduction to Hamilton CO-RE Liquid Editor

# 3

# 2

### **Learn how VENUS can be used to create your liquid handling methods**

- Create a deck layout, and add general programming steps
- On and off deck transportation steps
- Fine tune your method with position teaching
- Learn Power steps for simpler easier to use programming

# Applications Development Service

**We work, so you don't have to!**

"Our team of experts come from different scientific disciplines. Let our team apply their scientific and Hamilton Robotics scripting expertise to automate your protocols, saving you time and resources while improving laboratory efficiency and productivity."



## Step 1

Tell us what you want your Hamilton robot to achieve when automating your assays



## Step 2

We design, script, and implement the method for you

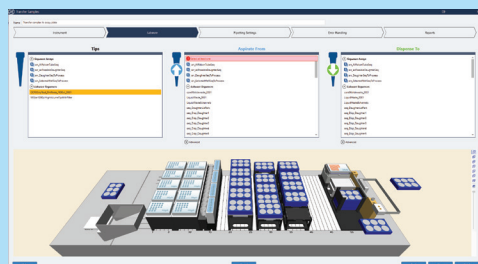
- Perform a water run to ensure all steps are working, then teach you how to use the method
- The method is now ready for you to validate



## Step 3

On-going technical support for the method:

- As your needs change, so can your methods, which is flexible and can be modified as required



**Email us about automating your assays today!**

**Work with our applications team to build a customised protocol that works for you.**

Example of methods we've implemented:

- Nucleic Acid Extraction
- NGS Library Prep
- ELISA
- Sample Pooling

Speak with us about customising Hamilton scripts for various NGS library prep from different manufacturers (Illumina, NEB, Oxford Nanopore, Twist, Qiagen and more...)