

The background is a grayscale photograph of a technical workspace. On the left, a large industrial machine, likely a CNC mill, is visible with the text 'MACH2XS123' on its side. On the right, a computer monitor displays a 3D CAD model of a mechanical part with a decorative, carved pattern. A keyboard and mouse are positioned in front of the monitor. A dark wooden chair is partially visible in the bottom right corner. A large, dark circular graphic is centered over the image, containing the 'STEP' logo and its tagline.

STEP

SHIMA TECHNICAL EDUCATION in PROGRAMMING

SHIMA SEIKI



STEP is a knit programming class Shima Seiki USA is now offering to our valued customers. This program is suitable for those who need an opportunity to elevate their knit capabilities to KNITify the World.

To make this class more accessible, we are offering this at a **flat-rate price of \$2500**. Each class is scheduled for a full week of 5 business days, **Monday through Friday** between the hours of **9:00 am to 3:00 pm**.
(w/ 1-hour of lunch break)

We hope that you can join our class to **STEP** up your knit programming capabilities.

INDEX

4

KNIT BEGINNER | 1

5

KNIT BEGINNER | 2

6

SHAPING BEGINNER

7

SHAPING INTERMEDIATE

8

WHOLEGARMENT BEGINNER | 1

9

WHOLEGARMENT BEGINNER | 2

10

WHOLEGARMENT INTERMEDIATE | 1

11

WHOLEGARMENT INTERMEDIATE | 2

KNIT BEGINNER | 1

REQUIREMENTS:

None

- ☐ OUTLINE OF KNIT
- ☐ OUTLINE OF KNITTING MACHINE
- ☐ HOW TO SEE/DRAW CONTROL COMMAND
- ☐ COLOR NO. OF STRUCTURE
(*KNIT, MISS, TUCK, STITCH MOVE, KNIT + TRANSFER, etc...*)
- ☐ APEX BASIC OPERATION
- ☐ OPTION LINE (BASIC)
- ☐ AUTO PROCESS
- ☐ MAIN KNIT DATA
(*.DAT, .QFD, .999, .000*)
- ☐ PROGRAMMING PRACTICE

KNIT BEGINNER | 2

- OPTION LINE (ADVANCED)
- COLOR NO. OF STRUCTURE (ADVANCED)
- PROGRAMMING PRACTICE (ADVANCED)
- JQ, INTARSIA (BASIC)
- INTRODUCTION TO PACKAGE SOFTWARE
- MACHINE OPERATION
- MACHINE MAINTENANCE
- KNITTING PRACTICE

REQUIREMENTS:

Completion of Class
KNIT BEGINNER | 1
or Equivalent Experience

SHAPING BEGINNER



SHAPING KNITTING



PROGRAMMING PRACTICE

(MANUAL DRAWING)



DSCS

(DIGITAL STITCH CONTROL SYSTEM)

REQUIREMENTS:

Completion of Class
KNIT BEGINNER | 2
or Equivalent Experience

SHAPING INTERMEDIATE



PACKAGE SOFTWARE
(FREE COLOR & PAINT COLOR)



PROGRAMMING PRACTICE
(PACKAGE DRAWING)

REQUIREMENTS:

Completion of Class
SHAPING BEGINNER
or Equivalent Experience

WHOLEGARMENT BEGINNER | 1

■ SHAPING KNITTING

- *Widening / Narrowing / Bind-off / Flechage*

■ OUTLINE OF WHOLEGARMENT MACHINE

- *Explain the difference of latch needle and slide needle, needle beds, LP (loop presser), pulldown device, etc...*

■ BASIC KNITTING METHOD OF WHOLEGARMENT

- *Colors (Knitting / Transfer) for WHOLEGARMENT*
- *Tubular Knitting*
- *C-Knitting*

■ WORKING CONTENTS OF PRODUCT CREATION

- *i-DSCS for WHOLEGARMENT*
- *Machine operation (part names and functions, press off knitting, warm-up, adjustments, etc...)*
- *Making a test piece (texture sample)*
- *Creating Raglan using Knit Paint (WG)*
- *Knitting Raglan*
- *Creating Set-in A using Knit Paint (WG)*
- *Knitting Set-in A*
- *Creating Set-in B using Knit Paint (WG)*
- *Knitting Set-in B*

REQUIREMENTS:

Completion of Class
SHAPING INTERMEDIATE
or Equivalent Experience

WHOLEGARMENT BEGINNER | 2



WHOLEGARMENT BASIC KNOWLEDGE

- *How to use Help Menu*
- *Making Package Base Pattern*
- *Registration Option Line 1, 2, 3*
- *Option Line Bar Specification (Basic)*
- *Slide Color (231, 232)*
- *Option Line*
- *Making Test Piece (Texture Sample)*
- *Creating Raglan using WG Package*
- *Knitting Raglan*
- *Creating Set-in A using WG Package*
- *Knitting Set-in A*
- *Creating Set-in B using WG Package*
- *Knitting Set-in B*

REQUIREMENTS:

Completion of Class
WHOLEGARMENT BEGINNER 1
or Equivalent Experience

WHOLEGARMENT INTERMEDIATE | 1

REQUIREMENTS:

Completion of Class
WHOLEGARMENT BEGINNER 2
or Equivalent Experience

■ PACKAGE SOFTWARE FOR WG INTERMEDIATE CLASS

- *Option Line Bar Specification (Advanced)*
- *Drawing compressed pattern*
- *Package development, WG development*
- *Exercise package*
- *Pattern development option*
- *Check Area*
- *Pulldown Open / Close*
- *Knitting Practice*

WHOLEGARMENT INTERMEDIATE | 2




STRIPES & JACQUARD

(Some restrictions may apply)

- *Set-in B + Stripes*
- *Parachute + JQ (below armhole)*
- *Convert WG Compressed Pattern*
- *Knitting Practice*

REQUIREMENTS:

Completion of Class
WHOLEGARMENT
INTERMEDIATE 1
or Equivalent Experience

The background of the image shows a Shima Seiki 12XS123 knitting machine on the left and a computer monitor on the right. The monitor displays a software interface with a 3D model of a knitted garment. A dark semi-transparent banner is overlaid across the center of the image, containing text and a logo.

Contact us at
step@shimaseikiusa.com
to schedule your class today!



up your Knit Programming with
SHIMA SEIKI