Visual Studio or Visual Studio Code > menu > View > Terminal  
shows Developer PowerShell pane where you can access the “matrix” server.

Run Secure File Transfer Protocol (sftp) one time only to create a directory (mkdir) for your C source files.

> sftp *seneca\_user\_id*@matrix.SenecaCollege.ca

*seneca\_user\_id*@matrix.senecacollege.ca's password: \*\*\*\*\*\*\*\*\*\*\*\*\*

sftp> mkdir Csource *[or another directory name]*

sftp> quit

When you “Configure your new project” in Visual Studio,   
check the box to “Place solution and project in the same directory” to avoid the next step…

PS C:\Users\user\source\repos\ProjectName> ls \*.c -r

If you see this, then skip down to running scp  
 Directory: C:\Users\user\source\repos\ProjectName

If you see this,  
 Directory: C:\Users\user\source\repos\ProjectName\ProjectName  
then change to the sub-directory  
PS C:\Users\user\source\repos\ProjectName> cd ProjectName

Run Secure Copy Protocol (scp) to transfer the source code file

> scp \*.c [TAB key] *[tells system to find a file with a .c extension, then add user@host:dir ]*

> scp .\helloWorld.c seneca\_user\_id@matrix.SenecaCollege.ca:Csource

seneca\_user\_id@matrix.senecacollege.ca's password: \*\*\*\*\*\*\*\*\*\*\*\*\*

> ssh seneca\_user\_id@matrix.SenecaCollege.ca

seneca\_user\_id@matrix.senecacollege.ca's password: \*\*\*\*\*\*\*\*\*\*\*\*\*

[seneca\_user\_id@mtrx-node03pd ~]$ cd Csource

[seneca\_user\_id@mtrx-node03pd ~]$ gcc -Wall helloWorld.c -o helloWorld

[seneca\_user\_id@mtrx-node03pd ~]$ helloWorld

Hello, World!

This is quidam.

[seneca\_user\_id@mtrx-node03pd ~]$ logout