

**NAME**

wcsncpy - copy a fixed-size string of wide characters

**SYNOPSIS**

```
#include <wchar.h>
```

```
wchar_t *wcsncpy(wchar_t *dest, const wchar_t *src, size_t n);
```

**DESCRIPTION**

The `wcsncpy()` function is the wide-character equivalent of the [strncpy\(3\)](#) function. It copies at most  $n$  wide characters from the wide-character string pointed to by `src`, including the terminating null wide character (`L'\0'`), to the array pointed to by `dest`. Exactly  $n$  wide characters are written at `dest`. If the length `wcslen(src)` is smaller than  $n$ , the remaining wide characters in the array pointed to by `dest` are filled with null wide characters. If the length `wcslen(src)` is greater than or equal to  $n$ , the string pointed to by `dest` will not be terminated by a null wide character.

The strings may not overlap.

The programmer must ensure that there is room for at least  $n$  wide characters at `dest`.

**RETURN VALUE**

`wcsncpy()` returns `dest`.

**ATTRIBUTES**

For an explanation of the terms used in this section, see [attributes\(7\)](#).

| Interface              | Attribute     | Value   |
|------------------------|---------------|---------|
| <code>wcsncpy()</code> | Thread safety | MT-Safe |

**CONFORMING TO**

POSIX.1-2001, POSIX.1-2008, C99.

**SEE ALSO**

[strncpy\(3\)](#)

**COLOPHON**

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